

SIEMENS

syngo MammoReport

SP

Upgrade from VB10H / Upgrade from VB11B to VB11C

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General

For upgrading VB10H to VB11C see chapter 1.

For updating VB11B to VB11C see chapter 2.

In the Appendix additional checks are described only if problems occur during the procedure.

The update runs with the following hardware:

- Celsius R610
- Barco HR monitors TFT
- Siemens HR monitors either TFT or CRT

CAUTION

If the systems to be updated have Read State Synchronization functionality active, shut down the synchronized systems while you are updating each system.

Make sure that the systems are handed over to the customer after ALL systems are updated and running again.

NOTE

All necessary passwords will be communicated via training courses and Siemens Intranet only.
Siemens Intranet: <http://www-td.med.siemens.de/>

NOTE

All update steps must be performed as Windows OS administrator - unless the user needs to log on to syngo (as described in the relevant instructions).

If the safety package is installed:

- Check for available virus pattern updates
- If applicable install new pattern

NOTICE

If a new Virus scanner engine is available, check first if this engine version is released for customer installations, before updating the engine!

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This chapter describes the steps to perform an upgrade of the *syngo MammoReport* software from VB10H to SW-Version_V using the Upgrade/Update DVD SW-Version_V.

CAUTION

If the Read State Synchronization functionality is active for the systems to be updated, shut down the synchronized systems while you are updating each system.

Make sure that the systems are handed over to the customer after ALL systems are updated and running again.

NOTE

All necessary passwords will be communicated via training courses and Siemens Intranet only.
Siemens Intranet: <http://www-td.med.siemens.de/>

The following steps need to be performed:

- Step 1: Check System Settings
- Step 2: Backup SCR Database and Restart Computer
- Step 3: Run the Automatic Upgrade
- Step 4: Check Upgrade Results
- Step 5: Run Script for SQL Server Restriction
- Step 6: Preinstall MNP - System Management
- Step 7: Perform only with Reporting Model: Closing a Case
- Step 8: Run *syngo MammoReport* and Check
- Step 9: Backup SCR Configuration Files
- Step 10: Backup System Settings - Recovery CD Creation

NOTE

All steps for the upgrade must be performed as Windows OS administrator - unless the user needs to log on to *syngo* (as described in the relevant instructions).

Step 1: Check System Settings

1. Check **material number** on computer label:
 - material number **8646460** = system type **NEW**
 - material number **8620192** = system type **UPDATE**
 to be prepared for Step 3: Run the Automatic Upgrade.
2. Login to syngo and open syngo PatientBrowser → Options → **SCR Administration**.
3. Go to tab **Settings** and check the Reporting Model: if it is **Closing a Case** perform Step 7: Perform only with Reporting Model: Closing a Case.

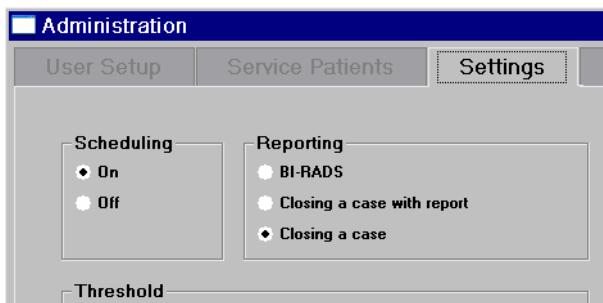


Fig. 1 SCR Administration: Closing a Case

4. Close SCR Administration and open **syngo Local Service**.
5. Log in with password, click on Configuration and check if System Management is selected (if not continue with Step 2: Backup SCR Database and Restart Computer).

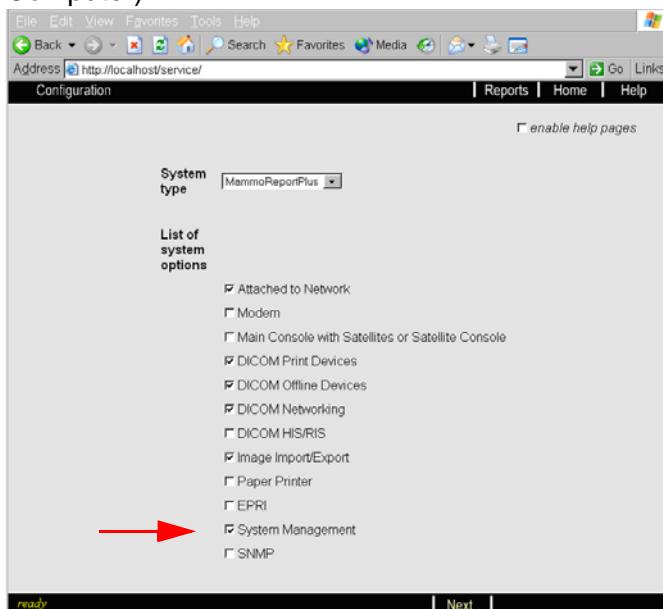


Fig. 2 Local Service: System Management

6. If this is the case note the configuration data for System Management.
7. Uncheck System Management and click on Save.
8. Click on Home - report creation starts. Wait until the process is completed, and reboot the system.

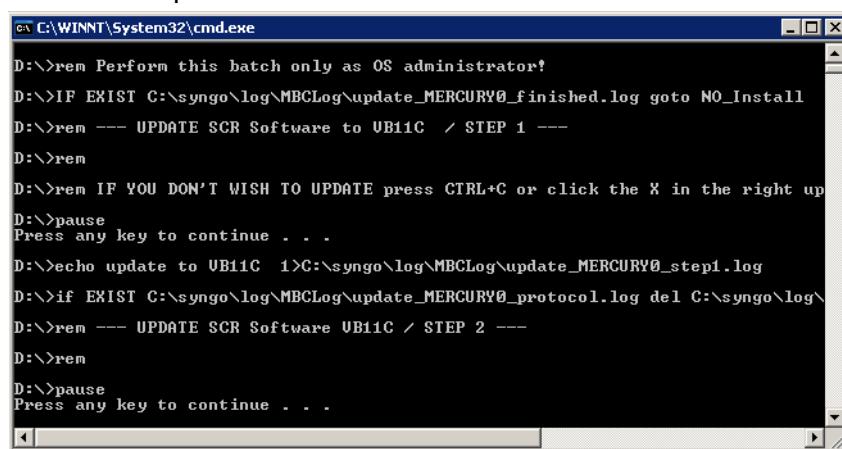
9. Reconfigure System Management by performing Step 8: Run syngo MammoReport and Check

Step 2: Backup SCR Database and Restart Computer

1. Log in to syngo and open syngo PatientBrowser → Options → **SCR Administration**.
2. Go to Backup/Restore tab and press **Backup** button.
3. Backup completes with a message - click **OK** and **exit SCR Administration**.
4. To save the SCR database backup on CD, open **syngo Local Service**.
5. Start service function **Backup & Restore**.
6. Insert an empty CD-R into **CD-Writer** drive E:\.
7. Choose **Backup** command, Drives [-E-] **CD-R**, Packages **SCR**.
8. Click **Go** on the action bar and wait until CD burning has finished.
9. **Remove** Backup CD from CD-RW drive.
10. **Label** CD as SCR Package with computer name, date and special settings (if any).
11. **Restart** computer via syngo **End Session** dialog.
12. Press shift key while booting and **log in as OS administrator**.

Step 3: Run the Automatic Upgrade

1. **Insert Upgrade/Update DVD SW-Version_V** into DVD drive D:\.
2. Open the Explorer, change to D:\ drive and run batch according to system type **New** (8646460) or **Update** (8620192) for software version **VB10H**
 - update_VB10H_systemtypeNEW.bat
 - update_VB10H_systemtypeUPDATE.bat
3. A DOS box opens.



```
C:\WINNT\System32\cmd.exe
D:>rem Perform this batch only as OS administrator!
D:>IF EXIST C:\syngo\log\MBCLog\update_MERCURY0_finished.log goto NO_Install
D:>rem --- UPDATE SCR Software to VB11C / STEP 1 ---
D:>rem
D:>rem IF YOU DON'T WISH TO UPDATE press CTRL+C or click the X in the right up
D:>pause
Press any key to continue . . .
D:>echo update to VB11C 1>C:\syngo\log\MBCLog\update_MERCURY0_step1.log
D:>if EXIST C:\syngo\log\MBCLog\update_MERCURY0_protocol.log del C:\syngo\log\
D:>rem --- UPDATE SCR Software VB11C / STEP 2 ---
D:>rem
D:>pause
Press any key to continue . . .
```

Fig. 3 Install Batch: Start

4. Press **any key** to start the update and **when required** while the batch is running.

5. If command **xcopy** is running, be patient - it can take some minutes until the batch continues - but stay at the system.

```

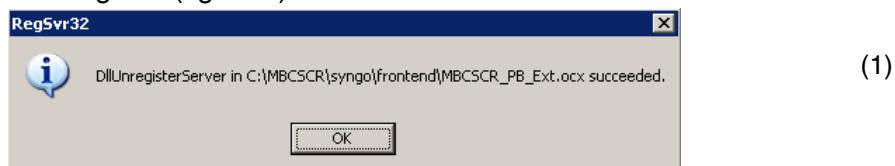
ex C:\WINNT\System32\cmd.exe
D:>verify on
D:>attrib -R /S /S C:\MBCSCR\*
D:>if exist C:\MBCSCR_backup rmdir /s /q C:\MBCSCR_backup
D:>ren C:\MBCSCR MBCSCR_backup
D:>sleep 5
D:>IF EXIST C:\MBCSCR goto Install12
D:>rem
D:>rem COPYING UPDATE FILES
D:>mkdir C:\MBCSCR
D:>pause
Press any key to continue . . .
D:>echo update VB11C 1>C:\syngo\log\MBCLog\update_MERCURY0_protocol.log
D:>xcopy MBCSCR /E /K /Y C:\MBCSCR 1>>C:\syngo\log\MBCLog\update_MERCURY0_protocol.log

```

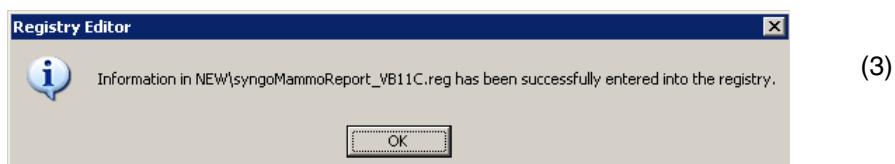
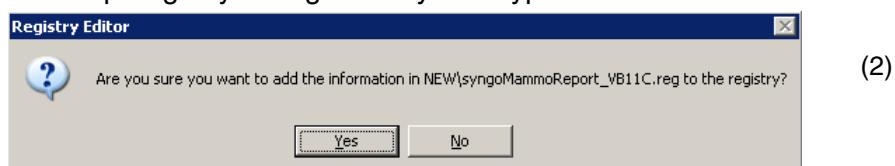
Fig. 4 Install Batch: Wait until **xcopy** is finished and batch continues

6. Accept the appearing message boxes with **OK** or **Yes** to continue the batch:

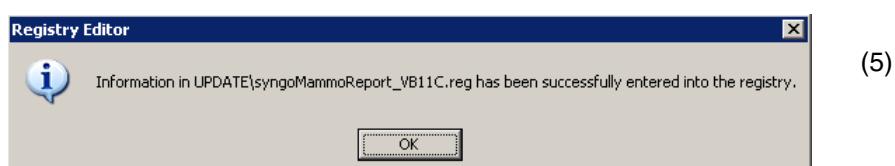
- DllUnregister (figure 1)
- Registry question (figures 2 or 4)
- Registry success (figures 3 or 5)
- DllRegister (figure 6)



Accept registry changes for system type NEW:



Accept registry changes for system type UPDATE:



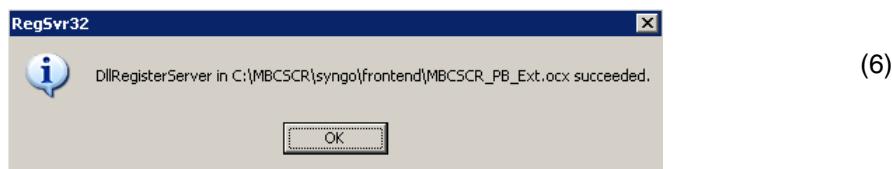


Fig. 5 Dialog boxes: DLLUnregister, Import to Registry, Import successfully, DLLRegister

7. Scroll the slider in the DOS box to **check** that **no errors** appear.

NOTE

The following messages do not denote errors:

- “Delete of dummy.txt”
- “Not resetting hidden file...”

8. Press any key after **update finished, press any key to exit** is displayed.

```

C:\WINNT\System32\cmd.exe
rviceImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1234.9.2003090
rviceImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1234.9.2003090
rviceImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1000.9.2003120
rviceImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1000.9.2003120
rviceImages.bat
D:>rem #6046 end-----
D:>rem
D:>rem update finished, press any key to exit
D:>pause
Press any key to continue . . .

```

Fig. 6

9. The DOS box disappears.

Step 4: Check Upgrade Results

Part A: Log Files

1. Open C:\syngo\log\MBCLog\update_MERCURY0_protocol.log.
2. Search for **441** - the following lines must be as shown in the figure below.

```

441 File(s) copied
COPY SYNGO FILES
1 file(s) copied.
syngo\bin\MrCrashTrigger.bat
syngo\config\version
syngo\config\common\MedcomImageTextConfig.txt
3 File(s) copied

```

Fig. 7 Update Protocol: Check Files Copied

3. Search in section **Comparing files MBCSCR*** - the following entry for comparing the files must be displayed for each file: **FC: no differences encountered**

```

update_MERCURY0_protocol.log - Notepad
File Edit Format Help
Comparing files MBCSCR\StartupGarbageCollector.exe and C:\MBCSCR\STARTUPGARBAGEC...
FC: no differences encountered
Comparing files MBCSCR\GarbageCollector.exe and C:\MBCSCR\GARBAGECOLLECTOR.EXE
FC: no differences encountered
Comparing files MBCSCR\Inicollector.exe and C:\MBCSCR\INICOLLECTOR.EXE
FC: no differences encountered
Comparing files MBCSCR\Reportstripper.exe and C:\MBCSCR\REPORTSTRIPPER.EXE
FC: no differences encountered
Comparing files MBCSCR\RISinterface.exe and C:\MBCSCR\RISINTERFACE.EXE
FC: no differences encountered

```

Fig. 8 Update Protocol: Comparing Files

4. The entries for **Comparing files MBCSCR\ReportStripper.exe** and **Comparing files MBCSCR\RISInterface.exe** must be found.
5. Go to the end of the file and check the last line - the entry should read: 61 file(s) copied.

```

update_MERCURY0_protocol.log - Notepad
File Edit Format Help
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155436
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155446
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155456
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155466
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155476
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155486
61 file(s) copied

```

Fig. 9 Service Images copied

- If there are 61 images copied, the service images are complete.
- If less than 61 images were copied (or the set contains an incorrect image) the batch D:\ServiceImages\copyserviceimages.bat will proceed. You will find more information later in this chapter.

6. Open C:\syngo\log\MBCLog\ **update_MERCURY0_finish.log** and check that it contains the entry: **finished update to SW-Version_V**.

NOTE

If **update_MERCURY0_finish.log** does not exist the update batch did not run correctly.

Do not rerun the batch at this point, but perform steps in Appendix, Part B: Re-Run Update Batch.

7. Check that **C:\temp\savelog.log** has **date modified** from <day of update>, and open the file.

8. The entry must be as shown in the figure below - if not run batch D:\SaveLog\savelog.bat, and check the log file again. (The entry **Not resetting hidden file** does not denote an error.)

```
D:\SaveLog\MBCSCR\siemensservicecollection.bat
1 File(s) copied
D:\SaveLog\syngo\utils\syngosaveLog.bat
1 File(s) copied
Not resetting hidden file - C:\syngo\config\compmgr\user.pm
```

Fig. 10 Savelog.log

9. If C:\temp\CopyServiceImages.log is available

NOTE

CopyServiceImages.log will be available only if correct service image(s) was / were missing.

go to the end of the file. The entry must be as shown in the figure below:

```
61 service Images copied successfully!
```

Fig. 11 CopyServiceImages.log: OK

10. If C:\temp\CopyServiceImages.log contains an entry like the following:

```
DIRECTORY C:\SCRData\dicom does not exist!
Please check and rerun batch D:\serviceImages\copyServiceImages.bat!
```

Fig. 12 CopyServiceImages.log: Error

- check in the Explorer that directory **C:\SCRData\dicom** exists
 - if necessary check that it is not read only
 - if necessary re-create it,
- delete C:\temp\CopyServiceImages.log
- run the batch **D:\ServiceImages\copyServiceImages.bat**,
- check C:\temp\CopyServiceImages.log again.

11. After the update batch has been performed successfully close all log files.

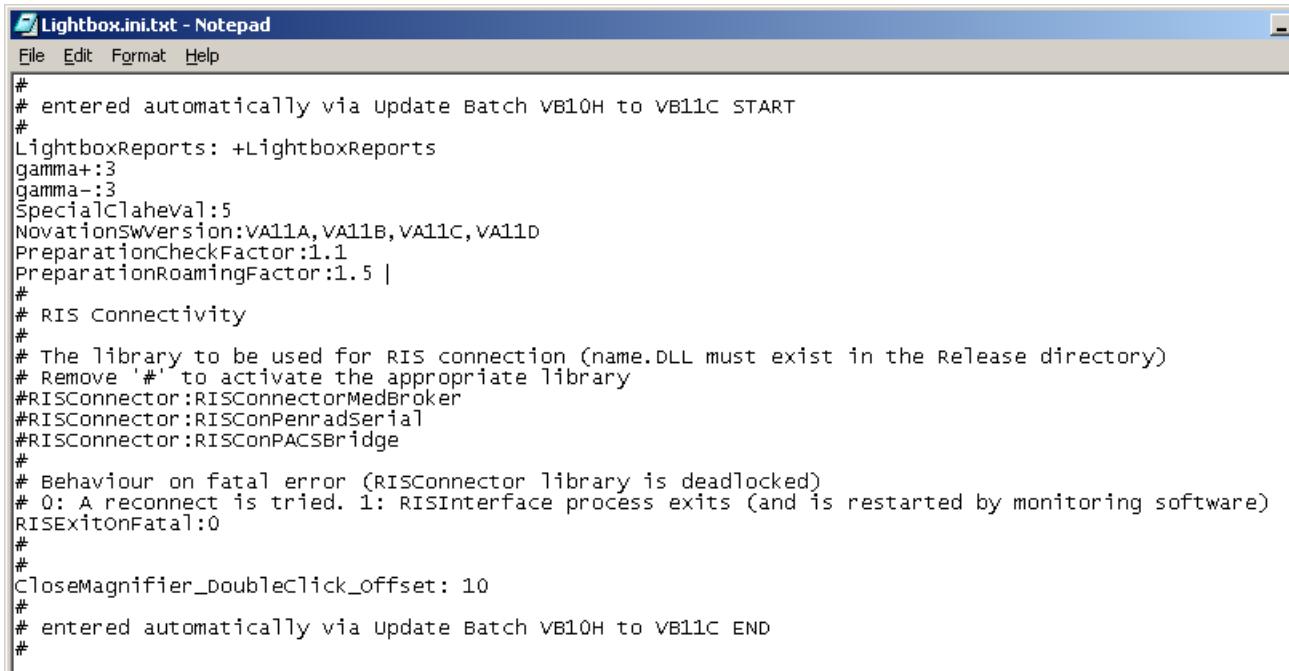
Part B: Ini Files

1. In Windows Explorer open **C:\MBCSCR\lightbox.ini** with Notepad.
2. Scroll to the **end of the file** and check that "#" for "# entered automatically via Update batch VB10H to VB11C - START" starts at a new line.

NOTE

If it is appended to another entry, place the cursor in front of # and press enter.

3. Check that the **entries** are like shown in the figure below:



```

Lightbox.ini.txt - Notepad
File Edit Format Help
#
# entered automatically via Update Batch VB10H to VB11C START
#
LightboxReports: +LightboxReports
gamma+:3
gamma-:3
SpecialClaheval:5
Novations\version:VA11A,VA11B,VA11C,VA11D
PreparationCheckFactor:1.1
PreparationRoamingFactor:1.5 |
#
# RIS Connectivity
#
# The library to be used for RIS connection (name.DLL must exist in the Release directory)
# Remove '#' to activate the appropriate library
#RISConnector:RISConnectorMedBroker
#RISConnector:RISConPenradSerial
#RISConnector:RISConPACSBridge
#
# Behaviour on fatal error (RISConnector library is deadlocked)
# 0: A reconnect is tried. 1: RISInterface process exits (and is restarted by monitoring software)
RISExitOnFatal:0
#
#
CloseMagnifier_Doubleclick_Offset: 10
#
# entered automatically via Update Batch VB10H to VB11C END
#

```

Fig. 13 Lightbox.ini: entered automatically

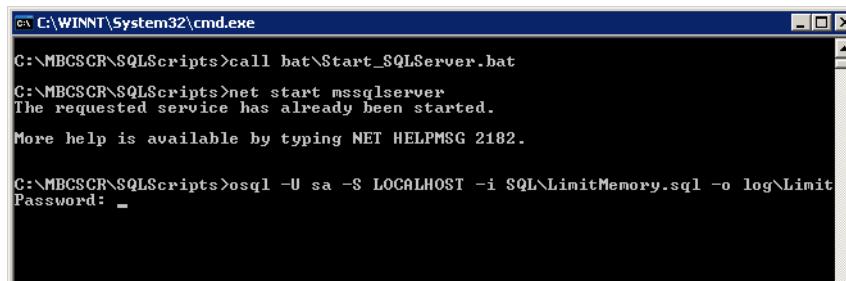
NOTE

If any value is missing or shows a different value, enter it or adjust it.

4. Check that an **empty line** follows the last entry
entered automatically via Update batch VB10H to VB11C - END
and that you can place the cursor into this empty line.
5. **Save** the file if it was changed and **close** it.

Step 5: Run Script for SQL Server Restriction

1. Open Explorer, change to C:\ drive and run batch
C:\MBCSCR\SQLScripts\LimitMemory.bat



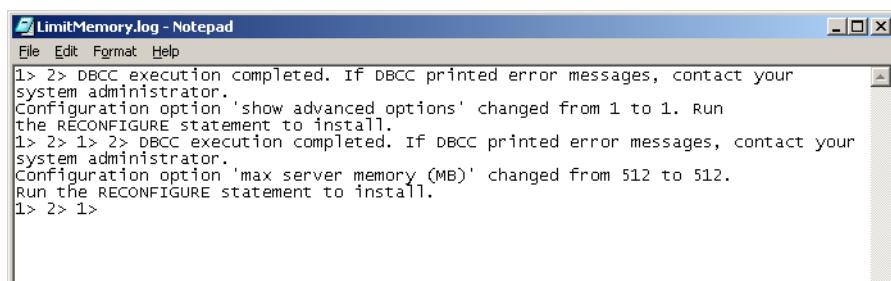
```
C:\WINNT\System32\cmd.exe
C:\MBCSCR\SQLScripts>call bat\Start_SQLServer.bat
C:\MBCSCR\SQLScripts>net start mssqlserver
The requested service has already been started.

More help is available by typing NET HELPMSG 2182.

C:\MBCSCR\SQLScripts>osql -U sa -S LOCALHOST -i SQL\LimitMemory.sql -o log\Limit
Password: _
```

Fig. 14 Batch: Limit Memory

2. Enter password for SQL-User and press return key.
3. Dos box disappears automatically.
4. Check in C:\MBCSCR\SQLScripts\Log\
LimitMemory.log that the entries are like shown in the figure below:

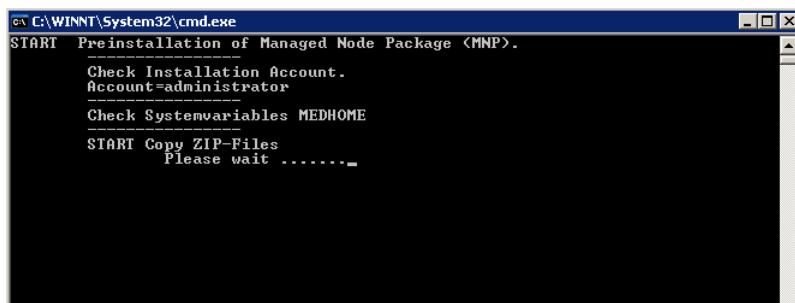


```
File Edit Format Help
1> 2> DBCC execution completed. If DBCC printed error messages, contact your
system administrator.
Configuration option 'show advanced options' changed from 1 to 1. Run
the RECONFIGURE statement to install.
1> 2> 1> 2> DBCC execution completed. If DBCC printed error messages, contact your
system administrator.
Configuration option 'max server memory (MB)' changed from 512 to 512.
Run the RECONFIGURE statement to install.
1> 2> 1>
```

Fig. 15 Log: Limit Memory

Step 6: Preinstall MNP - System Management

1. Open the Explorer, change to D:\ drive and run batch **D:\MNP_VF10D\Install.bat**
2. A Dos box opens:



```
C:\WINNT\System32\cmd.exe
START Preinstallation of Managed Node Package (MNP).
Check Installation Account.
Account=administrator
Check Systemvariables MEDHOME
START Copy ZIP-Files
Please wait .....
```

Fig. 16 MNP Install Batch

3. Wait for the Dos box to close automatically
4. Run batch **D:\MNP_VF10D\Install_Patch.bat**

5. A Dos box opens and disappears automatically.

```

C:\WINNT\System32\cmd.exe
D:\MNP_UF10D>rem
D:\MNP_UF10D>rem this is a batch to exchange two file in the MNP Preinstallation
D:\MNP_UF10D>rem
D:\MNP_UF10D>copy /U Patch_for_UF10D\agent_actual_state.xml C:\syngo\service\mw
p\mnp_UF10D_Patch.log
D:\MNP_UF10D>rem
D:\MNP_UF10D>copy /U Patch_for_UF10D\agent_desired_state.xml C:\syngo\service\mw
p\mnp_UF10D_Patch.log
D:\MNP_UF10D>rem
D:\MNP_UF10D>attrib -R /S C:\syngo\service\mwtools\*
D:\MNP_UF10D>

```

Fig. 17 MNP Patch: Install Batch

6. Dos box opens and disappears automatically.

Step 7: Perform only with Reporting Model: Closing a Case



Perform this section ONLY if Reporting Model is "Closing a Case"
- see Step 1: Check System Settings.

NEVER run this batch with the other reporting modes!

1. As syngo administrator press the Windows key and open Explorer.
2. Change to D:\ drive and run batch

D:\ReportMode_CLOSING-A-CASE\CleanupDB.bat

```

C:\WINNT\System32\cmd.exe
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem * CAUTION! CAUTION! CAUTION! CAUTION! *
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * RUN THIS SCRIPT ONLY IF REPORTING *
D:\ReportMode_CLOSING-A-CASE>rem * MODEL IS "CLOSING A CASE".
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * check lightbox.ini "ReportingMode:1"
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * if your ReportingMode is "0" or "2"
D:\ReportMode_CLOSING-A-CASE>rem * ABORT this batch with Ctrl+C
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .

```

Fig. 18 CleanupDB: Start

3. Press any key to continue and confirm a second time with any key.

```

C:\WINNT\System32\cmd.exe
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * CAUTION! CAUTION! CAUTION! CAUTION!
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * ARE YOU REALLY SURE?????????
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .

```

Fig. 19 CleanupDB: Start

4. Dos box disappears automatically.
5. Check in C:\MBCSCR\SQLScripts\Log\OSQL_SQLServerDeleteUnneededHTMLReports.log that the batch finished successfully (values for affected rows differ according to actual DB entries).

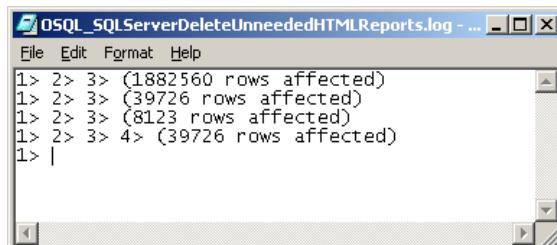


Fig. 20 Log: CleanupDB

6. Close all open files and folders.

Step 8: Run syngo MammoReport and Check

NOTE

If your system has language settings other than English (French, German or Spanish), you need to change the language settings now!

1. Start **C:\MBCSCR\LanguageSelector.exe** by double clicking on it. The Language Selector opens on left HR monitor.
2. **Select** the required **language** and click **OK**. DOS boxes can appear and disappear quickly, that is ok.
3. Close the Explorer.
4. **Restart** the computer. This may take some time.
5. Login to ^{syngo} MammoReport as **syngo user administrator**.
6. View an existing patient and send or retrieve a new patient.
7. View this patient to check that the system is working fine.

NOTE

If **syngo System Management** was used before the update (see Step 1: Check System Settings) this must be reconfigured in **syngo Local Service**.

NOTE

If SCR routing does not work as expected, but **MBC_BACKGROUNDUSER** is available and configured correctly (according to Appendix, Part A: Check MBC-Background User in User Management), then delete **MBC_BACKGROUNDUSER** and perform the steps in Appendix, section: Non Existenter User, page A-2.

Step 9: Backup SCR Configuration Files

Backup of Configuration Files:

1. **Restart** computer via syngo **End Session** dialog.
2. Press shift key while booting and **log in as OS administrator**.
3. Run batch **C:\MBCSCR\SQLScripts\CollectInis.bat** by double clicking on it.
4. A new directory will be created (**C:\MBCSCR\IniBackup\VB11C**) comprising all ini and configuration files.

NOTE

Do not rename any of the files or folders in this directory.

Calling the batch file CollectInis.bat more than once will overwrite the previous result.

5. Copy the folder **C:\MBCSCR\IniBackup\VB11C** to **C:\syngo\TEMP\CDR_OFFLINE**.

NOTE

CDR_OFFLINE must be empty before you start exporting configuration files to CD.

If there are any files in CDR_OFFLINE move them to a temporary folder on C:\. They must be moved back afterwards.

6. **Restart** computer and log in as **syngo administrator**.
7. Open **syngo PatientBrowser** and **insert empty CD-R to E:**
8. To enable Transfer menu → Export from Offline, the **Local Network Status must be empty** - clear it if necessary.
9. Start CD burning with **Transfer** → **Export from Offline** - there is no message, but CD writer shows burning activity with blinking orange light.
10. CD burning ends with ejecting the CD - **remove CD** from and close the drive.
11. **Label** Backup CD as **SCR Configuration Files** with computer name, software version, date and special settings (if any).
12. Check that CD content can be read and **archive** the CD.
13. **Delete** folder **VB11C** from **C:\MBCSCR\IniBackup**.

NOTE

If any files were moved from CDR_OFFLINE to a temporary folder on C:\ move them back now.

NOTE

To restore configuration files see Appendix, Part C: Restoring Configuration Files.

Step 10: Backup System Settings - Recovery CD Creation

- Option 1: The system has been updated (syngo PatientBrowser contains a large number of cases) ⇒ perform part Option 1: Backing up System Settings
- Option 2: The system has been set up from scratch (syngo Patientbrowser shows < 10 cases) ⇒ perform part Option 2: Recovery CD Creation



If the updated systems have the Read State Synchronization functionality, check all workstations first. Then hand all of them over to the customer in one go.

Option 1: Backing up System Settings

1. Back up the following syngo packages:
 - Security Settings
 - SW Setting02
 - SCR



During the backup of SW-Settings02 error messages appear during steps 199, 211, 216, 221, 300, 337 - ignore them!

2. Open Local Service function Backup & Restore and **burn the packages** on CD. 3 CD-Rs are needed.
3. **Label the CDs** as <package name>, computer name, software version, date and special settings (if any), and archive them.
4. Perform **syngo SaveLog** while pressing the Ctrl-Alt-S keys. The savelog zip file is stored in directory C:\syngo\service\extract.



To back up syngo SaveLog files to CD the directory CDR_OFFLINE may be used as described in Step 9: Backup SCR Configuration Files.

Option 2: Recovery CD Creation

General

A backup of system specific data, such as customer configuration entries, network nodes and AETs, is mandatory after software updates or system adjustment steps.



If subsequent changes (e.g. in the configuration) are made, the corresponding backup package must be saved again.

Save Customized Settings

After setting all configurations successfully, an image backup of the system disk is created on CD-R. With a disk image, the start-up status can be restored ensuring continued system functionality.

Since the high resolution monitors are unable to display VGA graphics, the instructions in this chapter correspond to the syngo monitor.

Step 1: Preparing the System for Recovery CD Creation

1. Make sure that no or only a few patients are available in the Patient Browser.
2. If there are many patients, delete them in the Patient Browser first, then log out from the system for at least 1 minute.
3. Log in again and check that the Patient Browser is empty.
4. Select in the menu **Options - End Session**. In the **End Session** dialog select **Shutdown**.
5. Turn on the computer again and hold the **Shift key** pressed to log in as OS administrator.
6. Check the size of the **IMAGE** directory on F:\ and the **SCRData** directory on F:\ (G:\ if the system contains an optional hard disk).
7. Make sure that there is enough hard disk space on C:\ for the data from F:\ (and G:\ if the system contains an optional hard disk).
 - for disk type **Basic** (without optional disk), run batch
C:\MBCSCR\SQLScripts\Prepare4Recovery_basic.bat
 - for disk type **Option** (with optional disk G:\), run batch
C:\MBCSCR\SQLScripts\Prepare4Recovery_option.bat
8. The batch stops after copying the syngo Image directory to C:\
9. Check that no error is displayed. Press any key.
10. The batch stops before copying the **SCRData** directory to C:\
11. If there is enough space on C:\ press any key to continue.
12. The batch stops right after the message **batch is finished** displays.
13. Press any key to close the DOS box.
14. Check that there is a shared **Image** directory on C:\
15. Start Ghost by:
 - Inserting the Ghost 2003 floppy into the floppy drive or
 - Inserting the Installation DVD into the DVD drive D:\
16. Press the Windows key and select **Shutdown** to shut down the computer.
17. Turn on the computer and enter BIOS with **F2**. Enter the correct BIOS password.
18. Enable booting (depends on step 15):
 - from floppy or
 - from DVD
19. Exit BIOS setup with **F10** (save and exit).

Step 2: Running Ghost

1. syngo monitor shows **Starting PC DOS...**

2. Wait until the following menu appears:
 - 1 - Backup system drive
 - 2 - use GHOST interactive
 - E - Exit

Your choice [1,2,E]?
3. Type **2** on the keyboard.
4. Wait until the **About Norton Ghost** screen appears.
5. Click **OK**.
6. In the next menu select **Local - Disk - To Image**.
7. Select Drive 1 in the **Select local source drive...** dialog.
8. Click **OK**.
9. In the next dialog **File name to copy image to**, select in **Look in:** the PLEXTOR drive.
10. Click the **Save** button beside the **File name: CDR00001.GHO**.
11. In the dialog **Compress image file?** select **High**.
12. In the dialog **Copy a bootable floppy to the CD/DVD disk?**
 - Select **Yes**, if using the **floppy disk**
In the next dialog **Is the floppy disk ready in drive a:?** select **Yes**.
The status bar shows that the floppy is read.
 - Select **No**, if using the **DVD**. No dialogs will appear.
13. A question appears **Proceed with Drive Backup to CD/DVD? About <no1> CDs or <no2> DVDs will be needed.**

NOTE

You will not need as many CDs as specified in the dialog, about 3-4 CDs will be necessary.

14. Select **Yes**.

⚠ WARNING

Spanned NTFS images on removable media may result in excessive media swaps. If Ghost Explorer - continue? is displayed select **Yes**.

15. The progress indicator starts.
16. When system asks for next CD, remove the current CD and insert the next blank CD.
17. When recovery CD creation is finished, click **Continue** and quit Ghost.
18. Label the CDs with **Recovery CD / computer name / date / CD number x of y**.

Step 3: Prepare the System after Recovery CD Creation

1. Reboot the computer with shift key pressed and log in as OS administrator.
2. Run one of the following batches:

- for disk type **Basic** (without optional disk), run batch C:\MBCSCR\SQLScripts\PostRecovery_basic.bat
- for disk type **Option** (with optional disk G:\), run batch C:\MBCSCR\SQLScripts\PostRecovery_option.bat

3. Press any key when prompted to do so.

NOTE

The **PostRecovery** batch checks also if all Service Images are available.

If one or more images are missing all Service Images must be batch-copied. Follow the instructions in Appendix, Part D: Copy Service Images.

4. The DOS window disappears when the batch is finished.
5. Restart the computer and enter BIOS with **F2**.
6. Enter the correct BIOS password, and disable booting from floppy drive.
7. Exit BIOS with **F10** (save and exit).
8. The system restarts and the login window will be displayed.

NOTE

If a restore of Recovery CD is necessary, refer to Appendix, Part E: Restore Recovery CD.

This chapter describes the steps to perform an update of the *syngo MammoReport* software from VB11B to SW-Version_V using the Upgrade/Update DVD SW-Version_V.

Additional updates on Windows XP are necessary. For this purpose use the Update CD VB10H.

CAUTION

If the Read State Synchronization functionality is active for the systems to be updated, shut down the synchronized systems while you are updating each system.

Make sure that the systems are handed over to the customer after ALL systems are updated and running again.

NOTE

All necessary passwords will be communicated via training courses and Siemens Intranet only.
Siemens Intranet: <http://www-td.med.siemens.de/>

The following steps need to be performed:

- Step 1: Check System Settings
- Step 2: Back up SCR Database and Restart Computer
- Step 3: Updates on Windows XP
- Step 4: Run Automatic Update
- Step 5: Check Update Results
- Step 6: Check Log Level
- Step 7: Run Script for SQL Server Restriction
- Step 8: Preinstall MNP - System Management
- Step 9: Perform only with Reporting Model: Closing a Case
- Step 10: Run *syngo MammoReport* and Check
- Step 11: Backing up SCR Configuration Files
- Step 12: Backing up System Settings - Recovery CD Creation

NOTE

All steps for the update must be performed as Windows OS administrator - unless the user needs to log on to *syngo* (as described in the relevant instructions).

Step 1: Check System Settings

1. Check **material number** on computer label:
 - material number **8646460** = system type **NEW**
 - material number **8620192** = system type **UPDATE**
 to be prepared for Step 4: Run Automatic Update.
2. Log in to syngo and open syngo PatientBrowser \Rightarrow Options \Rightarrow **SCR Administration**.
3. Go to **Settings** tab and check the Reporting Model: if it is **Closing a Case** perform Step 9: Perform only with Reporting Model: Closing a Case.

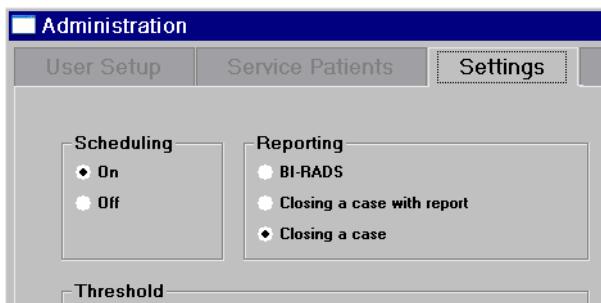


Fig. 1 SCR Administration: Closing a Case

4. Close SCR Administration and open **syngo Local Service**.
5. Log in with password, click on configuration and check if System Management is selected (otherwise continue with Step 2: Back up SCR Database and Restart Computer).

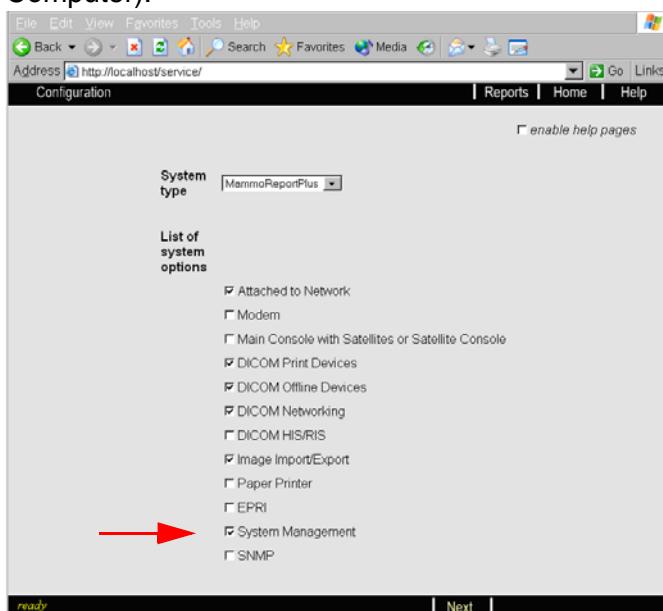


Fig. 2 Local Service: System Management

6. If this is the case note the configuration data for System Management.
7. Uncheck System Management and click on Save.
8. Click on Home - report creation starts. Wait until it is completed, and reboot the system.

9. Perform the reconfiguration of System Management with Step 10: Run syngo MammoReport and Check

Step 2: Back up SCR Database and Restart Computer

1. Log in to syngo and open syngo PatientBrowser ⇒ Options ⇒ **SCR Administration**.
2. Go to Backup/Restore tab and press the **Backup** button.
3. Backup finishes with a message. Click **OK** and **exit SCR Administration**.
4. To save the SCR database backup on CD, open **syngo Local Service**.
5. Start service function **Backup & Restore**.
6. Insert an empty CD-R into **CD-Writer** drive E:\
7. Choose **Backup** command, Drives [-E-] **CD-R**, Packages **SCR**.
8. Click **Go** on the action bar and wait until CD burning has finished.
9. **Remove** Backup CD from CD-RW drive.
10. **Label** CD as SCR Package with computer name, date and special settings (if any).
11. **Restart** computer via syngo **End Session** dialog.
12. Press shift key while booting and **log in as OS administrator**.

Step 3: Updates on Windows XP

NOTE

Use Update CD VB10H to perform this step.

This section describes:

- Installation of Windows Hotfixes
- Updates on Acrobat Reader
- Optional: Update of Virus Scanner Pattern

Installation of Windows Hotfixes

NOTE

The batch will install 21 Windows hotfixes in succession. Do not restart the system before the last hotfix is installed.

1. Insert **Update CD VB10H** into **DVD drive D:** and open Explorer.
2. Start install batch by double clicking on **D:\Hotfixes\ Install_hotfixes.bat**.
3. Wait until the start window of the **Software Update Installation Wizard** appears for the first time - be patient!



Fig. 3 Windows XP Setup Wizard: Welcome

4. Click on **Next** button.

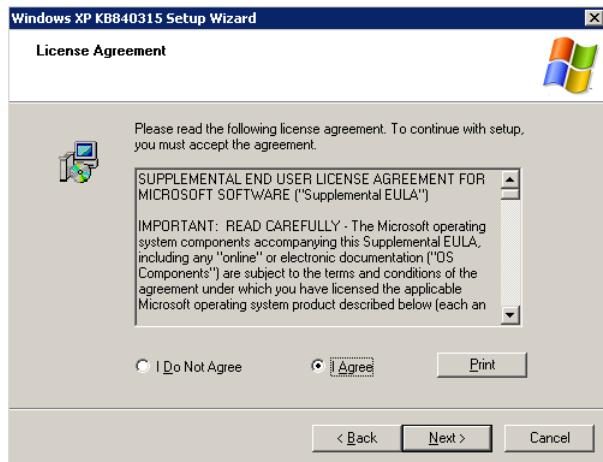


Fig. 4 Hotfix: License Agreement

5. Select **I Agree** and click on the **Next** button.

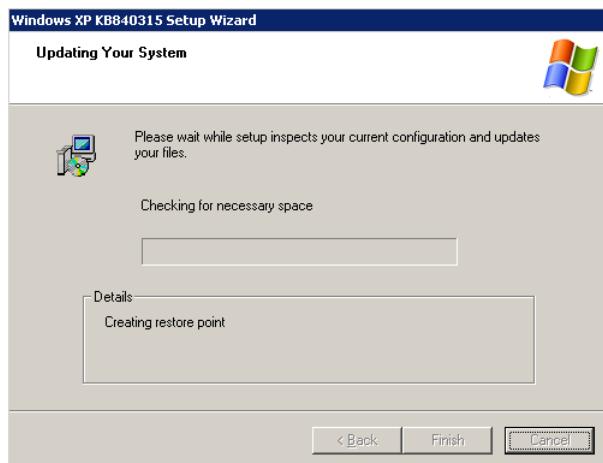


Fig. 5 Hotfix: Updating Your System

6. Wait until **Completing...** appears - be patient!

Depending on the type of hotfix installation the completion window offers two options to **finish the wizard** and to return to the open **DOS box**:

- close the wizard simply by clicking the **Finish** button or
- check **Do not restart now** and click on the **Finish** button

NOTE

If a restart is required please remember to check the option **Do not restart now**.

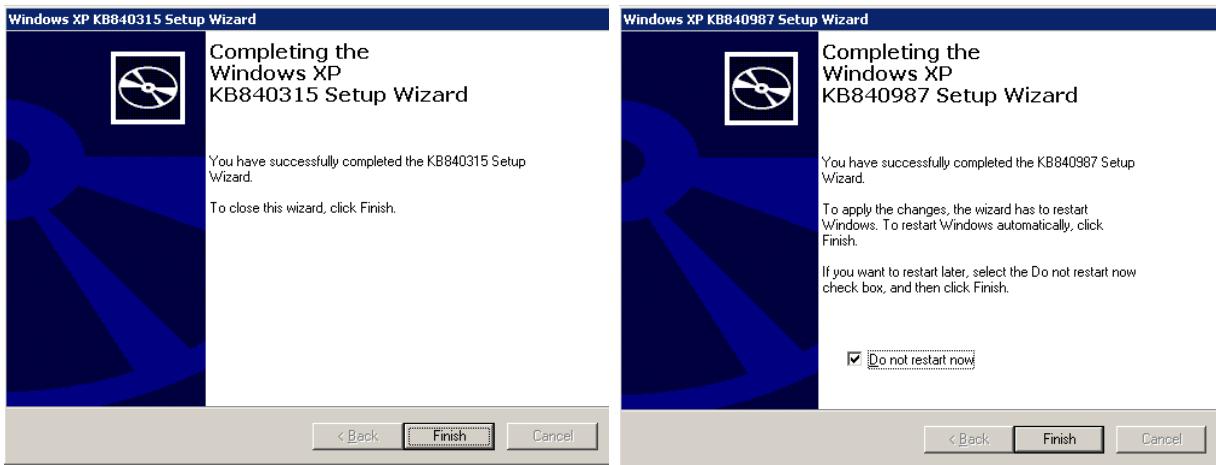


Fig. 6 Finish Hotfix Wizard: Completing by closing the dialog (left) / Check *Do not restart now* (right)

7. First check **Do not restart now** (if applicable) and then click the **Finish** button.
8. The open DOS box shows the next hotfix that is requested by the update batch.

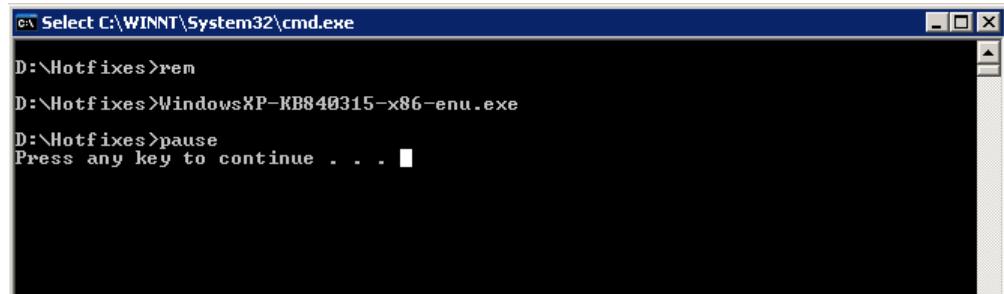


Fig. 7 Batch: Calling Next Windows XP Hotfix

9. Click into the DOS box if it is not already activated. Press **any key** to start the next hotfix installation.
10. Message **Extracting Files** pops up - and is displayed for some time (depending on the current hotfix).



Fig. 8 Extracting Files

11. When the **Software Update Installation Wizard** window appears click the **Next** button (see Fig. 3).
12. In the **License Agreement** window (see Fig. 4) select **I Agree** and click the **Next** button. The system update process starts (see Fig. 5).

13. First check **Do not restart now** (if applicable) and then click the **Finish** button (see Fig. 6).
14. Repeat steps **9 to 13** until Installation of **MSN Messenger** is finished and Messenger **Setup** is opened automatically.

NOTE

After the hotfix installation of MSN Messenger the **MSN Messenger 6.2 Setup** program will start automatically.

The configuration has to be carried out as specified in the following section: Configuration of MSN Messenger 6.2

Configuration of MSN Messenger 6.2

1. The **Welcome ...** window of **MSN Messenger 6.2 Setup** opens automatically. Click **Next**.



Fig. 9 Messenger Setup: Welcome

2. Select **I agree to ...** and click **Next** on the **License Agreement** screen.

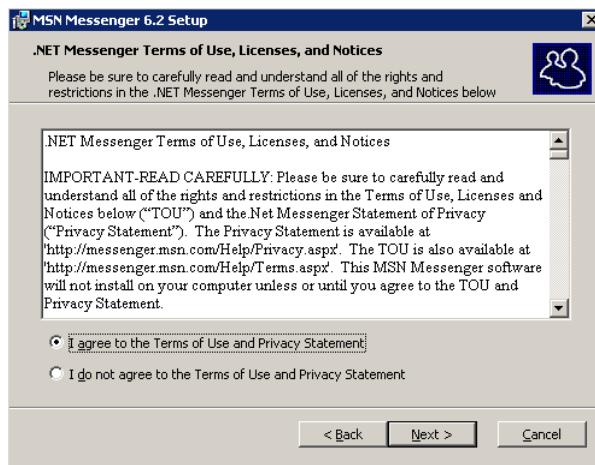


Fig. 10 Messenger Setup: License Agreement

3. **Uncheck** all options on **MSN Features** ... - then click **Next**

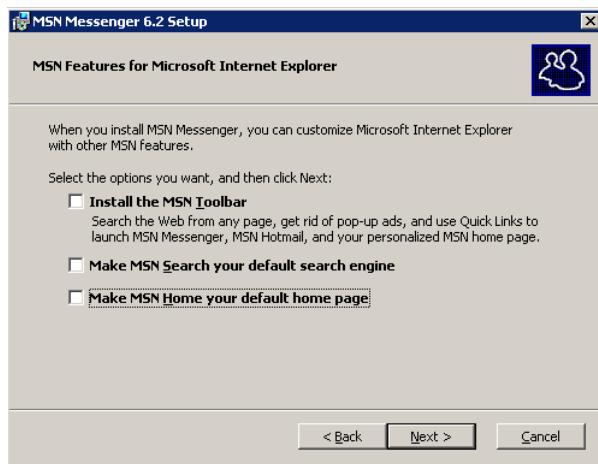


Fig. 11 Messenger Setup: MSN Features

4. Wait until **Installing ...** is completed - press **Finish**.



Fig. 12 Messenger Setup: Completed

5. **MSN Messenger Welcome** window opens automatically



Fig. 13 Messenger Configuration: Start

6. Open Menu \Rightarrow Tools \Rightarrow Options \Rightarrow Personal: Uncheck all options.

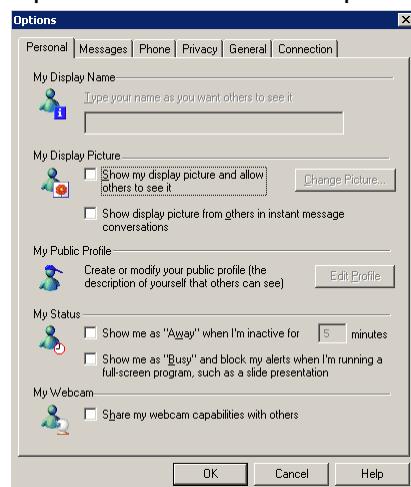


Fig. 14 Messenger Configuration: Personal

7. Go to the General tab: Uncheck all options - press OK.

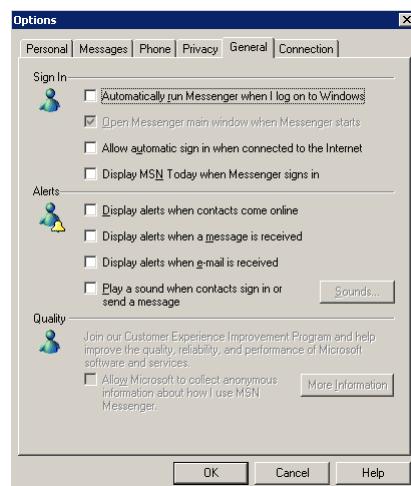


Fig. 15 Messenger Configuration: General

8. On the Windows desktop right-click on the MSN Messenger icon

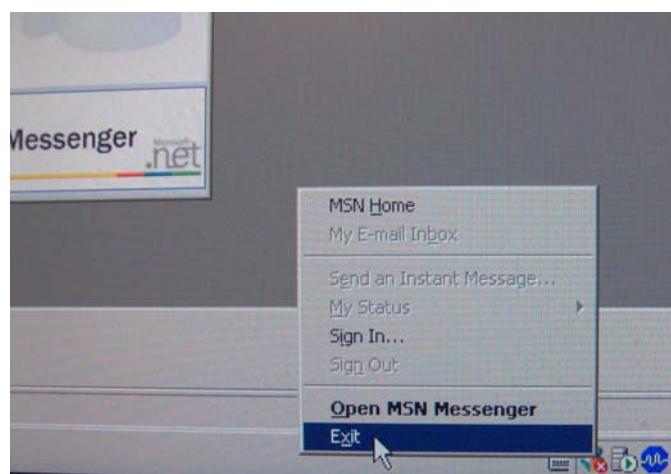


Fig. 16 Exit Messenger

9. **Exit MSN Messenger.**
10. Repeat steps **9 to 13** on **Page 3 - 6** until all Windows hotfixes are installed.
11. Press any key to **finish the batch**.
12. **Restart** computer, press **shift key** while booting and **log in as OS administrator**.

Updates on Acrobat Reader

NOTE

The updates have to be applied in numeric order!

1. Start by double clicking on **D:\ AcroRead6\Acro-Reader_603_Update.exe**.
2. Wait until **InstallShield Wizard** has finished the system check - be patient!

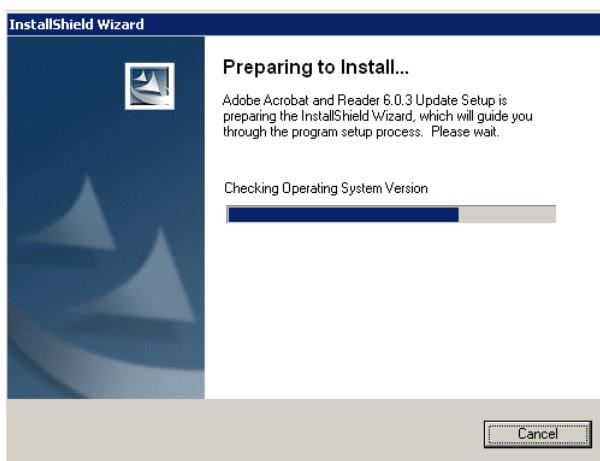


Fig. 17 Acrobat InstallShield Wizard: Preparing to Install

3. In the **Welcome ...** window simply click on the **Next** button.



Fig. 18 Acrobat Update: Welcome Window

4. On Ready to Install the Program click the **Install** button.

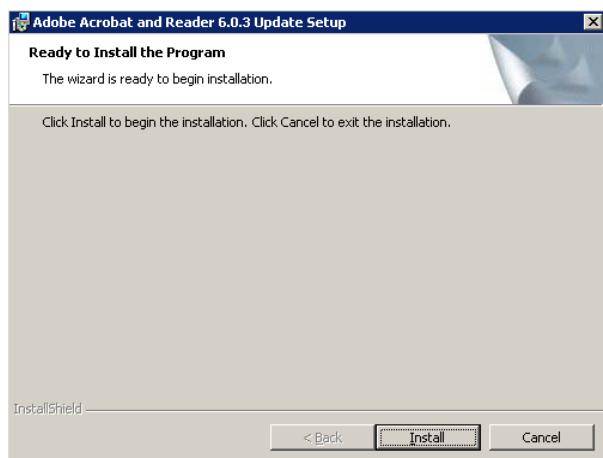


Fig. 19 Acrobat Update: Ready to Install

5. Installation Adobe Acrobat ... running - wait until installation is complete.

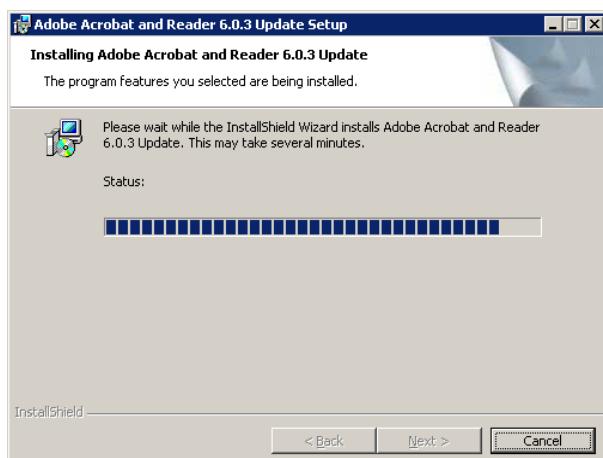


Fig. 20 Acrobat Update: Installing

6. On the **InstallShield Wizard Complete** screen click the **Finish** button.

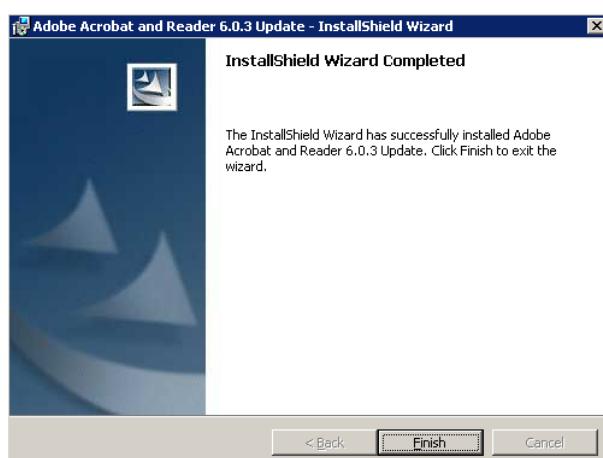


Fig. 21 Acrobat Update: Completed

7. Start the **second** update by double clicking on **D:\ AcroRead6\Acro-Reader_604_Update.exe**.
8. Repeat **steps 2 to 6** to update Acrobat Reader to version 6.0.4.
 - If a virus scanner is installed or the customer ordered the safety package, perform the following section **Optional: Update of Virus Scanner Pattern**
 - Else remove Update CD VB10H from drive D:\ and continue with Step 4: Run Automatic Update.

Optional: Update of Virus Scanner Pattern

This section describes the installation of the new TREND MICRO virus pattern update on syngo MammoReport.

NOTE

This is only necessary if TREND MICRO virus scanner is already installed.

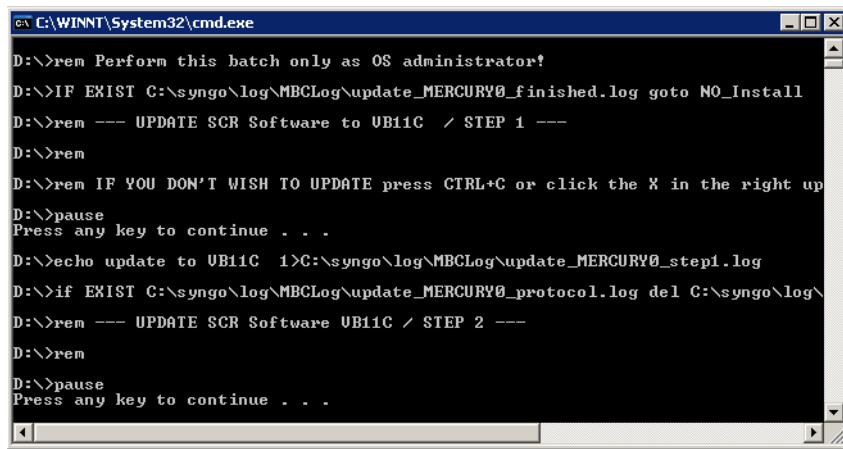
NOTE

If virus scanner needs to be installed, refer to SPB7-420-814-20 ...

1. If not already done: log in as OS administrator and make sure that drive D:\ is empty.
2. Insert **Update CD VB10H** into drive D:\.
3. Run **D:\VirusScanner\oscanwsptn_2811_310805.exe** - installation finishes automatically.
4. Check on windows taskbar that virus scan icon shows pattern 811.
5. Remove Update CD VB10H from drive D:\.

Step 4: Run Automatic Update

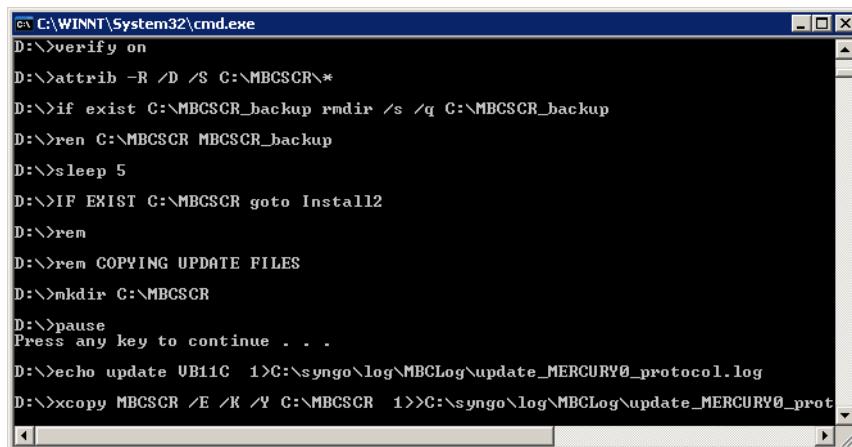
1. Insert **Upgrade/Update DVD SW-Version_V** into DVD drive D:\.
2. Open the Explorer, change to D:\ drive and run batch according to system type
New (8646460) or **Update** (8620192) for software version VB11B
 - update_VB10H_systemtypeNEW.bat
 - update_VB10H_systemtypeUPDATE.bat
3. A DOS box opens.



```
C:\WINNT\System32\cmd.exe
D:>rem Perform this batch only as OS administrator!
D:>IF EXIST C:\syngo\log\MBCLog\update_MERCURY0_finished.log goto NO_Install
D:>rem --- UPDATE SCR Software to VB11C / STEP 1 ---
D:>rem
D:>rem IF YOU DON'T WISH TO UPDATE press CTRL+C or click the X in the right up
D:>pause
Press any key to continue . .
D:>echo update to VB11C 1>C:\syngo\log\MBCLog\update_MERCURY0_step1.log
D:>if EXIST C:\syngo\log\MBCLog\update_MERCURY0_protocol.log del C:\syngo\log\
D:>rem --- UPDATE SCR Software VB11C / STEP 2 ---
D:>rem
D:>pause
Press any key to continue . .
```

Fig. 22 Install Batch: Start

4. Press **any key** to start the update and **when required** while the batch is running.
5. If command **xcopy** is running, be patient - it may take a few minutes until the batch continues - but stay at the system.



```
C:\WINNT\System32\cmd.exe
D:>verify on
D:>attrib -R /D /S C:\MBCSCR\*
D:>if exist C:\MBCSCR_backup rmdir /s /q C:\MBCSCR_backup
D:>ren C:\MBCSCR MBCSCR_backup
D:>sleep 5
D:>IF EXIST C:\MBCSCR goto Install2
D:>rem
D:>rem COPYING UPDATE FILES
D:>mkdir C:\MBCSCR
D:>sleep
Press any key to continue . .
D:>echo update VB11C 1>C:\syngo\log\MBCLog\update_MERCURY0_protocol.log
D:>xcopy MBCSCR /E /K /Y C:\MBCSCR 1>>C:\syngo\log\MBCLog\update_MERCURY0_prot
```

Fig. 23 Install Batch: Wait for *xcopy* is finished and batch continues

6. Accept the appearing message boxes with **OK** or **Yes** to continue the batch:
 - DllUnregister (figure 1)
 - Registry question (figures 2 or 4)

- Registry success (figures 3 or 5)
- DLLRegister (figure 6)

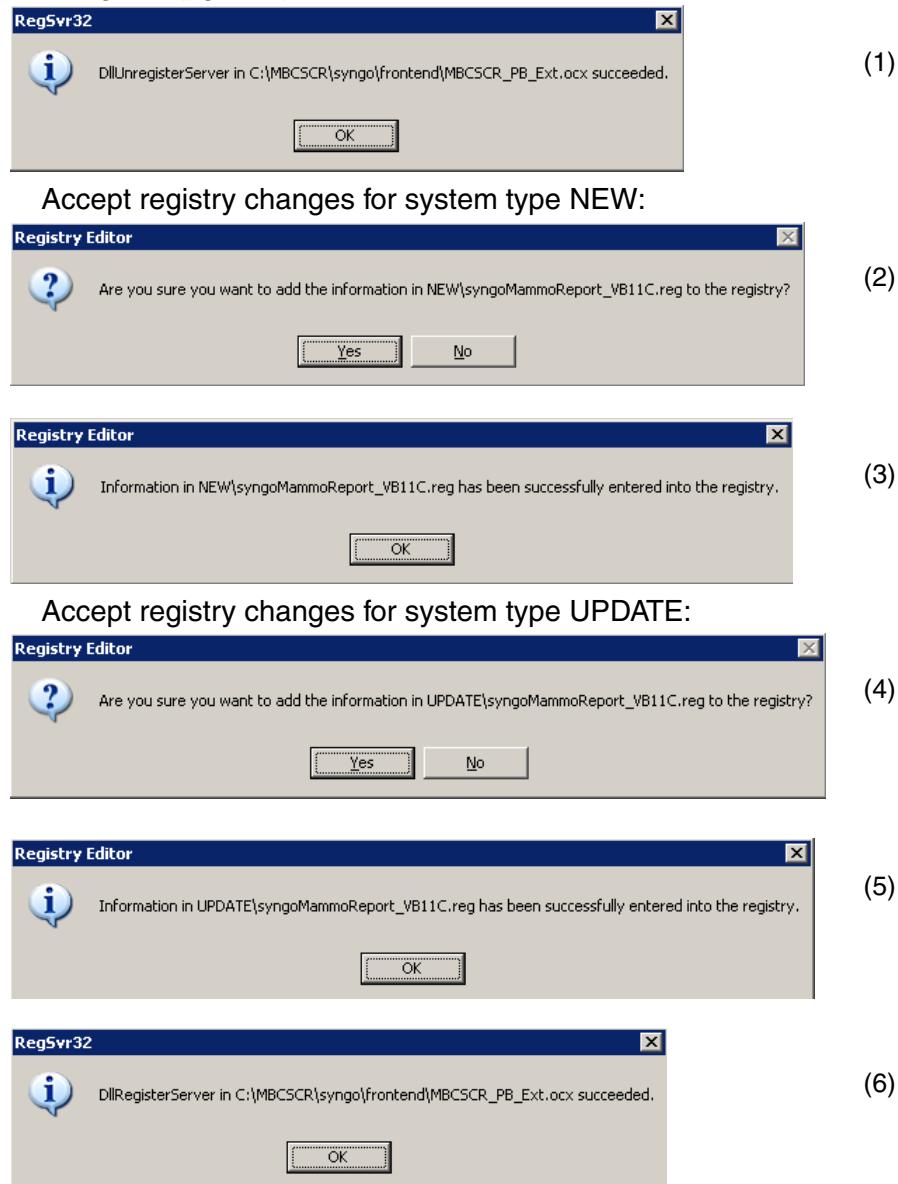


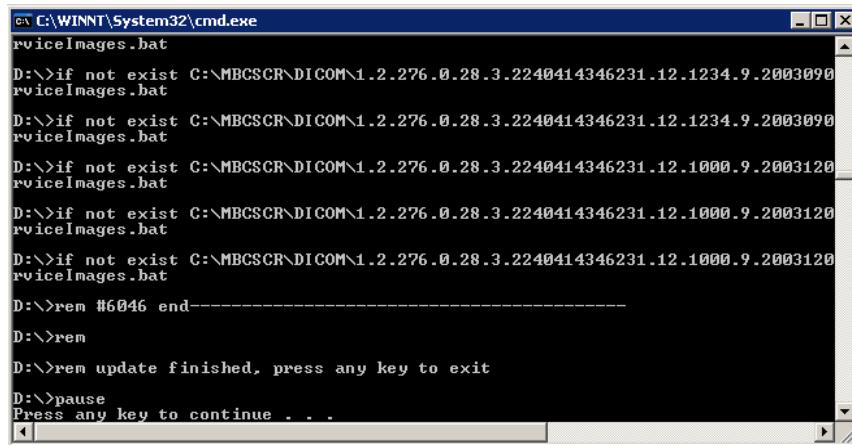
Fig. 24 Dialog boxes: DLLUnregister, Import to Registry, Import successfully, LLRegister

7. Scroll the slider in the DOS box to **check that no errors appear.**

NOTE

The following messages do not denote errors:
 - “Delete of dummy.txt”
 - “Not resetting hidden file...”

8. Press any key after update finished, press any key to exit is displayed.



```
cmd C:\WINNT\System32\cmd.exe
rvicelImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1234.9.2003090
rvicelImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1234.9.2003090
rvicelImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1000.9.2003120
rvicelImages.bat
D:>if not exist C:\MBCSCR\dicom\1.2.276.0.28.3.2240414346231.12.1000.9.2003120
rvicelImages.bat
D:>rem #6046 end-----
D:>rem
D:>rem update finished, press any key to exit
D:>pause
Press any key to continue . . .
```

Fig. 25

9. The DOS box disappears.

Step 5: Check Update Results

Part A: Log Files

1. Open C:\syngo\log\MBCLog\update_MERCURY0_protocol.log.
2. Search for **441** - the following lines must be as shown in the figure below.

```
update_MERCURY0_protocol.log - Notepad
File Edit Format Help
441 File(s) copied
COPY SYNGO FILES
    1 file(s) copied.
syngo\bin\MrCrashTrigger.bat
syngo\config\version
syngo\config\common\MedcomImageTextConfig.txt
3 File(s) copied
```

Fig. 26 Update Protocol: Check Files Copied

3. Search in section **Comparing files MBCSCR*** - the following entry for comparing the files must be displayed for each file: **FC: no differences encountered**

```
update_MERCURY0_protocol.log - Notepad
File Edit Format Help
Comparing files MBCSCR\StartupGarbageCollector.exe and C:\MBCSCR\STARTUPGARBAGE\StartupGarbageCollector.exe
FC: no differences encountered

Comparing files MBCSCR\GarbageCollector.exe and C:\MBCSCR\GARBAGECOLLECTOR.EXE
FC: no differences encountered

Comparing files MBCSCR\inicollector.exe and C:\MBCSCR\INICOLLECTOR.EXE
FC: no differences encountered

Comparing files MBCSCR\ReportStripper.exe and C:\MBCSCR\REPORTSTRIPPER.EXE
FC: no differences encountered

Comparing files MBCSCR\RISInterface.exe and C:\MBCSCR\RISINTERFACE.EXE
FC: no differences encountered
```

Fig. 27 Update Protocol: Comparing Files

4. The entries for **Comparing files MBCSCR\ReportStripper.exe** and **Comparing files MBCSCR\RISInterface.exe** must be found.
5. Go to the end of the file and check the last line - the entry should read: **61 file(s) copied**.

```
update_MERCURY0_protocol.log - Notepad
File Edit Format Help
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155436
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155446
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155456
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155466
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155476
C:\MBCSCR_backup\dicom\1.3.12.2.1107.5.12.4.99999.3.20020417155486
61 File(s) copied
```

Fig. 28 Service Images copied

- If there are 61 images copied, the service images are complete.
- If less than 61 images were copied (or the set contains an incorrect image) the batch D:\ServiceImages\copyserviceimages.bat will proceed. You will find more information later in this chapter.

6. Open C:\syngo\log\MBCLog\ **update_MERCURY0_finish.log** and check that it contains the entry: **finished update to SW-Version_V**.

NOTE

If **update_MERCURY0_finish.log** does not exist the update batch did not run correctly.

Do not rerun the batch at this point, but perform steps in Appendix, Part B: Re-Run Update Batch.

7. Check that **C:\temp\savelog.log** has **date modified** from <day of update>, and open the file.
8. The entry must be as shown in the figure below - if not run batch D:\SaveLog\savelog.bat and check the log file again. (The entry **Not resetting hidden file** does not denote an error.)

This is not an er- 

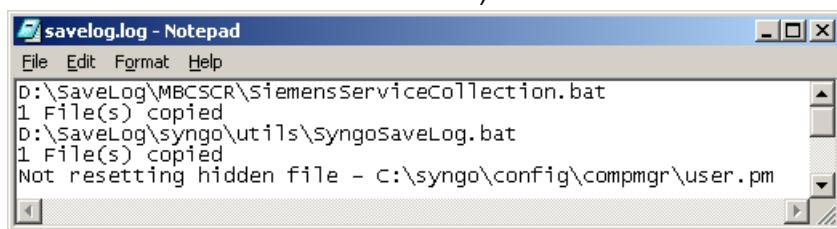


Fig. 29 Savelog.log

9. If **C:\temp\CopyServiceImages.log** is available

NOTE

CopyServiceImages.log will be available only if correct service image(s) was / were missing.

go to the end of the file. The entry must be as shown in the figure below:

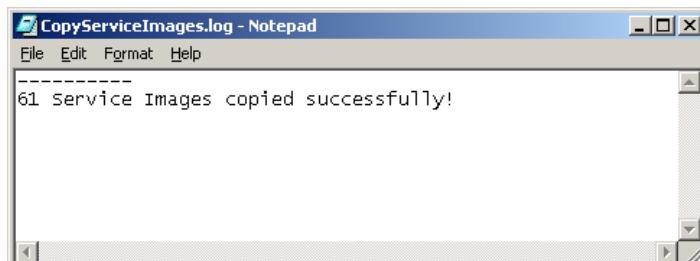


Fig. 30 CopyServiceImages.log: OK

10. If **C:\temp\CopyServiceImages.log** contains an entry like the following:

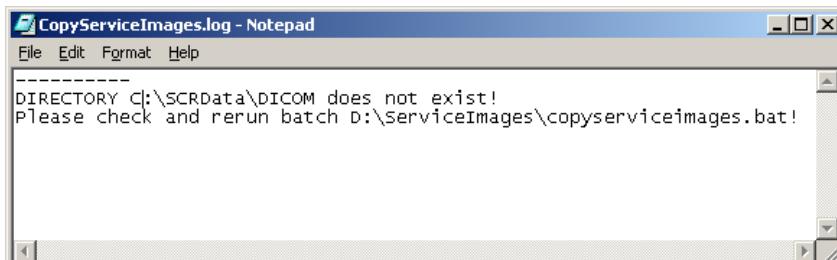


Fig. 31 CopyServiceImages.log: Error

- check in Explorer that directory **C:\SCRData\dicom** exists
- if necessary check that it is not read only
- if necessary recreate it
- delete C:\temp\CopyServiceImages.log
- run the batch **D:\ServiceImages\copyserveimages.bat**,
- check C:\temp\CopyServiceImages.log again.

11. After the update batch has been performed successfully close all log files.

Part B: Ini Files

1. In Windows explorer open **C:\MBCSCR\lightbox.ini** with Notepad.
2. Scroll to the **end of the file** and check that "#" for
"# entered automatically via Update batch VB11B to VB11C -
START" starts at a new line.

NOTE

If it is appended to another entry, place the cursor in front of # and press Enter.

3. Check that the **entries** are as shown in the figure below:

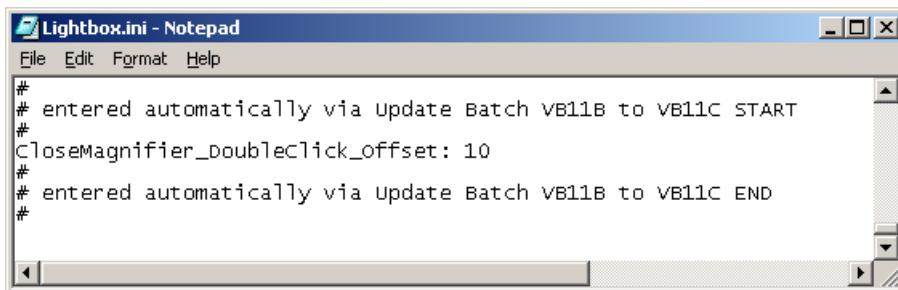


Fig. 32 Lightbox.ini: entered automatically

NOTE

If any value is missing or shows a different value, enter or modify it.

4. Check that an **empty line** follows the last entry
entered automatically via Update batch VB11B to VB11C - END
and that you can place the cursor into this empty line.
5. Also open **C:\MBCSCR\lightbox.ini_backup** with Notepad.
6. Search for section **ImagePreparer**

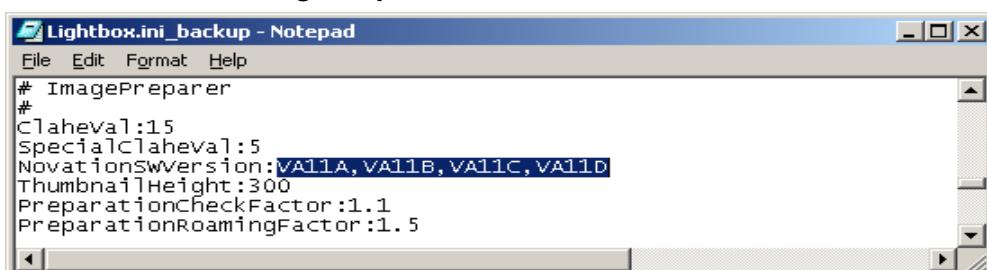


Fig. 33 Lightbox.ini_backup: Novation SW Versions

7. Copy the values for NovationSWVersion:**VA11A,VA11B,VA11C,VA11D** as highlighted in the figure above.
8. Add these values to the existing entry into **C:\MBCSCR\lightbox.ini** in section "# entered automatically via Update batch VB11B - START".

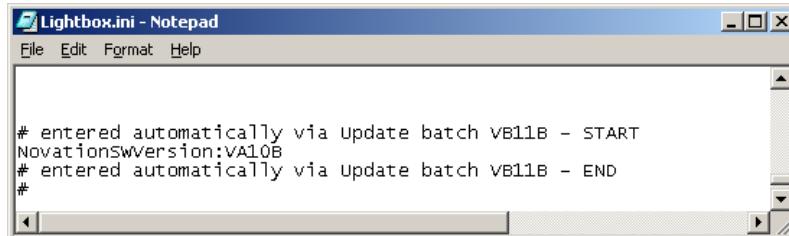


Fig. 34 Lightbox.ini: Novation SW Versions before update

9. Use **comma** as separator.

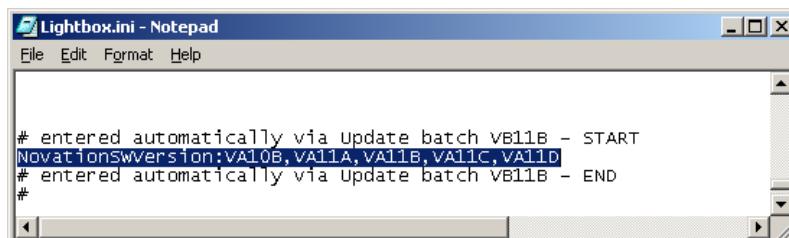


Fig. 35 Lightbox.ini: Novation SW Versions completed

10. Re-open **C:\MBCSCR\lightbox.ini_backup**.
11. Search for section **RIS Connectivity**

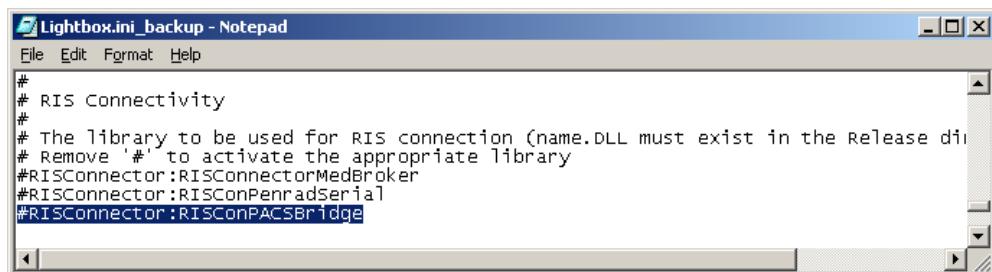


Fig. 36 Lightbox.ini_backup: RIS Connectivity

12. Copy the line **#RISConnector:RISConPACSBridge** as highlighted in figure above.
13. Paste this line into **C:\MBCSCR\lightbox.ini** in section **RIS Connectivity**.
14. Close C:\MBCSCR\lightbox.ini_backup **without** saving.
15. **Save** the changes in **C:\MBCSCR\lightbox.ini** and **close** it.

Step 6: Check Log Level

1. Open C:\MBCSCR\lightbox.ini and search for: # LogLevel

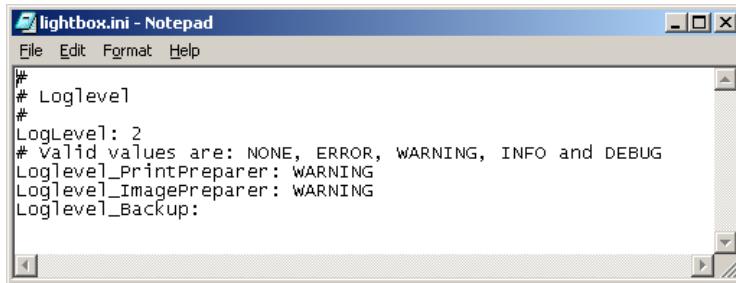


Fig. 37 Lightbox.ini: Section Log Level

2. Check that the entries are as shown above - otherwise change them according to Fig. 37 (LogLevel: **2**) and save the file.
3. Close lighbox.ini.

Step 7: Run Script for SQL Server Restriction

1. Open the Explorer, change to drive C:\ and run batch C:\MBCSCR\SQLScripts\LimitMemory.bat

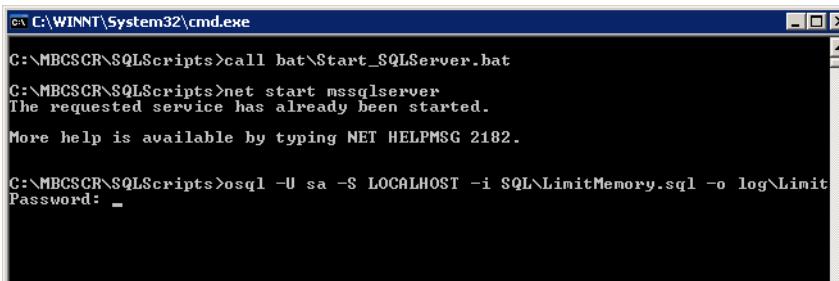


Fig. 38 Batch: Limit Memory

2. Enter password for SQL-User and press the Return key.
3. The Dos box disappears automatically.
4. Check in C:\MBCSCR\SQLScripts\Log\LimitMemory.log that the entries are as shown in the figure below:

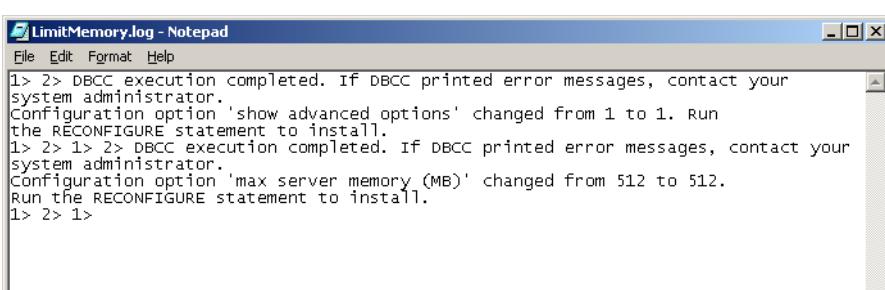


Fig. 39 Log: Limit Memory

Step 8: Preinstall MNP - System Management

1. Open the Explorer, change to drive D:\ and Run batch **D:\MNP_VF10D\Install.bat**
2. A dos box opens:

Fig. 40 MNP Install Batch

3. Wait for the Dos box to close automatically
4. Run batch **D:\MNP_VF10D\Install_Patch.bat**
5. A Dos box opens and disappears automatically.

Fig. 41 MNP Patch: Install Batch

6. Dos box opens and disappears automatically.

Step 9: Perform only with Reporting Model: Closing a Case



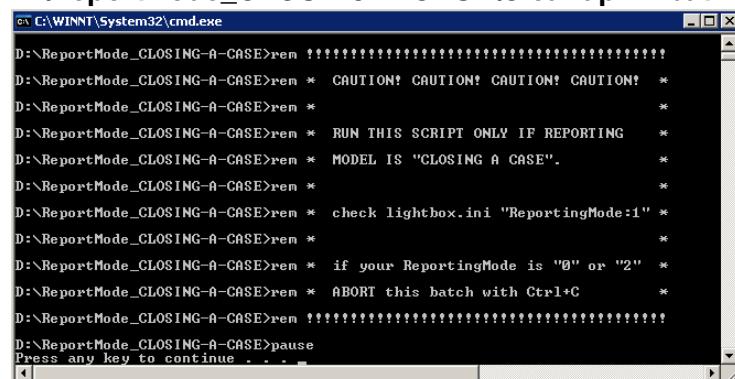
CAUTION Perform this section ONLY if Reporting Model is "Closing a Case"
- see Step 1: Check System Settings.

NEVER run this batch with the other reporting modes!

1. As syngo administrator press the Windows key and open the Explorer.

2. Change to drive D:\ and run batch

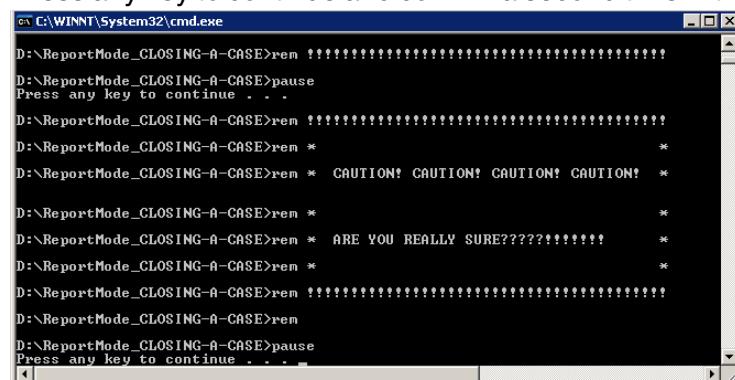
D:\ReportMode_CLOSING-A-CASE\CleanupDB.bat



```
C:\WINNT\System32\cmd.exe
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem * CAUTION! CAUTION! CAUTION! CAUTION! *
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * RUN THIS SCRIPT ONLY IF REPORTING *
D:\ReportMode_CLOSING-A-CASE>rem * MODEL IS "CLOSING A CASE".
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * check lightbox.ini "ReportingMode:1"
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * if your ReportingMode is "0" or "2"
D:\ReportMode_CLOSING-A-CASE>rem * ABORT this batch with Ctrl+C
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .
```

Fig. 42 CleanupDB: Start

3. Press any key to continue and confirm a second time with any key.

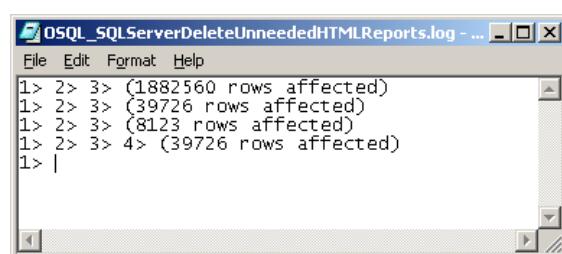


```
C:\WINNT\System32\cmd.exe
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem * CAUTION! CAUTION! CAUTION! CAUTION! *
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem * ARE YOU REALLY SURE?????*****
D:\ReportMode_CLOSING-A-CASE>rem *
D:\ReportMode_CLOSING-A-CASE>rem *****
D:\ReportMode_CLOSING-A-CASE>rem
D:\ReportMode_CLOSING-A-CASE>pause
Press any key to continue . . .
```

Fig. 43 CleanupDB: Start

4. Dos box disappears automatically.

5. Check in C:\MBCSCR\SQLScripts\Log\OSQL_SQLServerDeleteUnneededHTMLReports.log that the batch finished successfully (values for affected rows differ according actual DB entries).



```
OSQL_SQLServerDeleteUnneededHTMLReports.log - ...
File Edit Format Help
1> 2> 3> (1882560 rows affected)
1> 2> 3> (39726 rows affected)
1> 2> 3> (8123 rows affected)
1> 2> 3> 4> (39726 rows affected)
1> |
```

Fig. 44 Log: CleanupDB

6. Close log file.
7. Close all open files and folders.

Step 10: Run *syngo MammoReport* and Check

NOTE

If your system has language settings other than English (French, German or Spanish), you need to change the language settings now!

1. Start C:\MBCSCR\LanguageSelector.exe by double clicking on it. The Language Selector opens on left HR monitor.
2. Select the required language and click OK. DOS boxes can appear and disappear quickly, that is ok.
3. Close the Explorer.
4. Restart the computer. This may take some time.
5. Log in to *syngo* MammoReport as **syngo user administrator**.
6. View an existing patient and send or retrieve a new patient.
7. View this patient to check that the system is working fine.

NOTE

If **syngo System Management** was used before the update (see Step 1: Check System Settings) this must be reconfigured in **syngo Local Service**.

NOTE

If SCR routing does not work as expected, but MBC_BACKGROUNDUSER is available and configured correctly (according to Appendix, Part A: Check MBC-Background User in User Management), then delete MBC_BACKGROUNDUSER and perform steps in Appendix, section: Non Existant User, page A-2.

Step 11: Backing up SCR Configuration Files

Backup of Configuration Files:

1. **Restart** computer via syngo **End Session** dialog.
2. Press shift key while booting and **log in as OS administrator**.
3. Run batch **C:\MBCSCR\SQLScripts\CollectInis.bat** with double click.
4. A new directory will be created (**C:\MBCSCR\IniBackup\VB11C**) comprising all ini and configuration files.

NOTE

Do not rename any of the files or folders in this directory.

Calling the batch file CollectInis.bat more than once will overwrite the previous result.

NOTE

To restore configuration files see Appendix, Part C: Restoring Configuration Files.

5. Copy the folder **C:\MBCSCR\IniBackup\VB11C** to **C:\syngo\TEMP\CDR_OFFLINE**.

NOTE

CDR_OFFLINE must be empty before you start exporting configuration files to CD.

If there are any files in CDR_OFFLINE move them to a temporary folder on C:\. They must be moved back afterwards.

6. **Restart** computer and log in as **syngo administrator**.
7. Open **syngo PatientBrowser** and **insert empty CD-R to E:\.**
8. To enable Transfer menu \Rightarrow Export from Offline the **Local Network Status must be empty** - clear it if necessary.
9. Start CD burning with **Transfer \Rightarrow Export from Offline** - there is no message, but CD writer shows burning activity with blinking orange light.
10. CD burning ends with ejecting the CD - **remove CD** and close the drive.
11. **Label** Backup CD as **SCR Configuration Files** with computer name, software version, date and special settings (if any).
12. Check that CD contents can be read, and **archive** the CD.
13. **Delete** folder **VB11C** from **C:\MBCSCR\IniBackup**.

NOTE

If any files were moved from CDR_OFFLINE to a temporary folder on C:\ move them back now.

NOTE

To restore configuration files see Appendix, Part C: Restoring Configuration Files.

Step 12: Backing up System Settings - Recovery CD Creation

- Option 1: The system has been updated (syngo PatientBrowser contains a large number of cases) ⇒ perform part Option 1: Backing up System Settings
- Option 2: The system has been set up from scratch (syngo Patientbrowser shows < 10 cases) ⇒ perform part Option 2: Recovery CD Creation

⚠ CAUTION

If the updated systems have the Read State Synchronization functionality, check all workstations first. Then hand all of them over to the customer in one go.

Option 1: Backing up System Settings

1. Back up the following syngo packages:
 - Security Settings
 - SW Setting02
 - SCR

NOTE

During backup of SW-Settings02 error messages appear at steps 199, 211, 216, 221, 300, 337 - ignore them!

2. Open Local Service function Backup & Restore and **burn the packages** on CD. 3 CD-Rs are needed.
3. **Label the CDs** as <package name>, computer name, software version, date and special settings (if any), and archive them.
4. Perform **syngo SaveLog** while pressing the Ctrl-Alt-S keys. The savelog zip file is stored in directory C:\syngo\service\extract.

NOTE

To back up syngo SaveLog files to CD the directory CDR_OFFLINE may be used as described in Step 11: Backing up SCR Configuration Files.

Option 2: Recovery CD Creation

General

A backup of system specific data, such as customer configuration entries, network nodes and AETs, is mandatory after software updates or system adjustment steps.

⚠ CAUTION

If subsequent changes (e.g. in the configuration) are made, the corresponding backup package must be saved again.

Save Customized Settings

After setting all configurations successfully, an image backup of the system disk is created on CD-R. With a disk image, the start-up status can be restored ensuring continued system functionality.

Since the high resolution monitors are unable to display VGA graphics, the instructions in this chapter correspond to the syngo monitor.

Step 1: Preparing the System for Recovery CD Creation

1. Make sure that no or only a few patients are available in the Patient Browser.
2. If there are many patients, delete them in the Patient Browser first, then log out from the system for at least 1 minute.
3. Log in again and check that the Patient Browser is empty.
4. Select in the menu **Options - End Session**. In the **End Session** dialog select **Shutdown**.
5. Turn on the computer again and hold the **Shift key** pressed to log in as OS administrator.
6. Check the size of the **IMAGE** directory on F:\ and the **SCRData** directory on F:\ (G:\ if the system contains an optional hard disk).
7. Make sure that there is enough hard disk space on C:\ for the data from F:\ (and G:\ if the system contains an optional hard disk).
 - for disk type **Basic** (without optional disk), run batch C:\MBCSCR\SQLScripts\Prepare4Recovery_basic.bat
 - for disk type **Option** (with optional disk G:\), run batch C:\MBCSCR\SQLScripts\Prepare4Recovery_option.bat
8. The batch stops after copying the syngo Image directory to C:\
9. Check that no error is displayed. Press any key.
10. The batch stops before copying the **SCRData** directory to C:\
11. If there is enough space on C:\ press any key to continue.
12. The batch stops right after the message **batch is finished** displays.
13. Press any key to close the DOS box.
14. Check that there is a shared **Image** directory on C:\
15. Starting Ghost:
 - Insert the Ghost 2003 floppy into the floppy drive or
 - Insert the Installation DVD into the DVD drive D:\
16. Press the Windows key and select **Shutdown** to shut down the computer.
17. Turn on the computer and enter BIOS with **F2**. Enter the correct BIOS password.
18. Enable booting (depends on step 15):
 - from floppy or
 - from DVD
19. Exit BIOS setup with **F10** (save and exit).

Step 2: Running Ghost

1. syngo monitor shows **Starting PC DOS...**

2. Wait until the following menu appears:
 - 1 - Backup system drive
 - 2 - use GHOST interactive
 - E - Exit

Your choice [1,2,E]?
3. Type **2** on the keyboard.
4. Wait until **About Norton Ghost** screen appears.
5. Click **OK**.
6. In the next menu select **Local - Disk - To Image**.
7. Select Drive 1 in the **Select local source drive...** dialog.
8. Click **OK**.
9. In the next dialog **File name to copy image to**, select the **PLEXTOR** drive in **Look in:**
10. Click the **Save** button beside the **File name: CDR00001.GHO**.
11. In the dialog **Compress image file?** select **High**.
12. In the dialog **Copy a bootable floppy to the CD/DVD disk?**
 - Select **Yes**, if using the **floppy disk**
In the next dialog **Is the floppy disk ready in drive a:?** select **Yes**.
The status bar shows that the floppy is read.
 - Select **No**, if using the **DVD**. No dialogs will appear.
13. A question appears **Proceed with Drive Backup to CD/DVD? About <no1> CDs or <no2> DVDs will be needed.**

NOTE

You will not need as many CDs as specified in the dialog, about 3-4 CDs will be necessary.

14. Select **Yes**.

⚠ WARNING

Spanned NTFS images on removable media may result in excessive media swaps. If Ghost Explorer - continue? is displayed select **Yes**.

15. The progress indicator starts.
16. When the system asks for the next CD, remove the current CD and insert the next blank CD.
17. When recovery CD creation is finished, click **Continue** and quit Ghost.
18. Label the CDs with **Recovery CD / computer name / date / CD number x of y**.

Step 3: Prepare the System after Recovery CD Creation

1. Reboot the computer with shift key pressed and log in as OS administrator.
2. Run one of the following batches:

- for disk type **Basic** (without optional disk), run batch C:\MBCSCR\SQLScripts\PostRecovery_basic.bat
- for disk type **Option** (with optional disk G:\), run batch C:\MBCSCR\SQLScripts\PostRecovery_option.bat

3. Press any key when prompted to do so.

NOTE

The PostRecovery batch checks also if all Service Images are available.

If one or more images are missing all Service Images must be batch-copied. Follow the instructions in Appendix, Part D: Copy Service Images.

4. The DOS window disappears when the batch is finished.
5. Restart the computer and enter BIOS with **F2**.
6. Enter the correct BIOS password, and disable booting from floppy drive.
7. Exit BIOS with **F10** (save and exit).
8. System restarts and the login window will be displayed.

NOTE

If a restore of Recovery CD is necessary, refer to Appendix, Part E: Restore Recovery CD.

Part A: Check MBC-Background User in User Management

1. Log in as syngo user **administrator**.
2. Open Main Menu → Options → Security Configuration → **User Management**.
3. In the tree view select **Users**.
4. The **MBC_BACKGROUNDUSER** user is available in the right window.

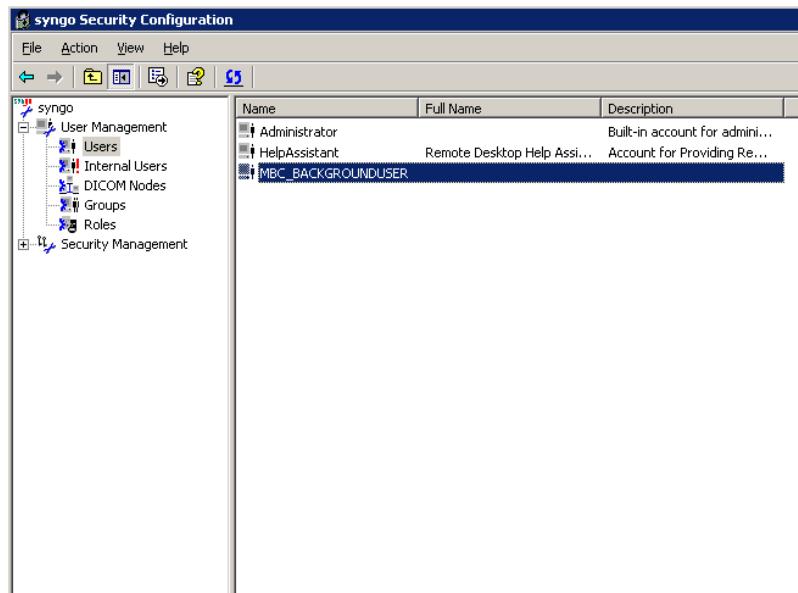


Fig. 1 Syngo Security Configuration window

5. Double click **MBC_BACKGROUNDUSER** and click on the **Member of** tab. Under **Assigned** you will see **DICOM_GROUP**.

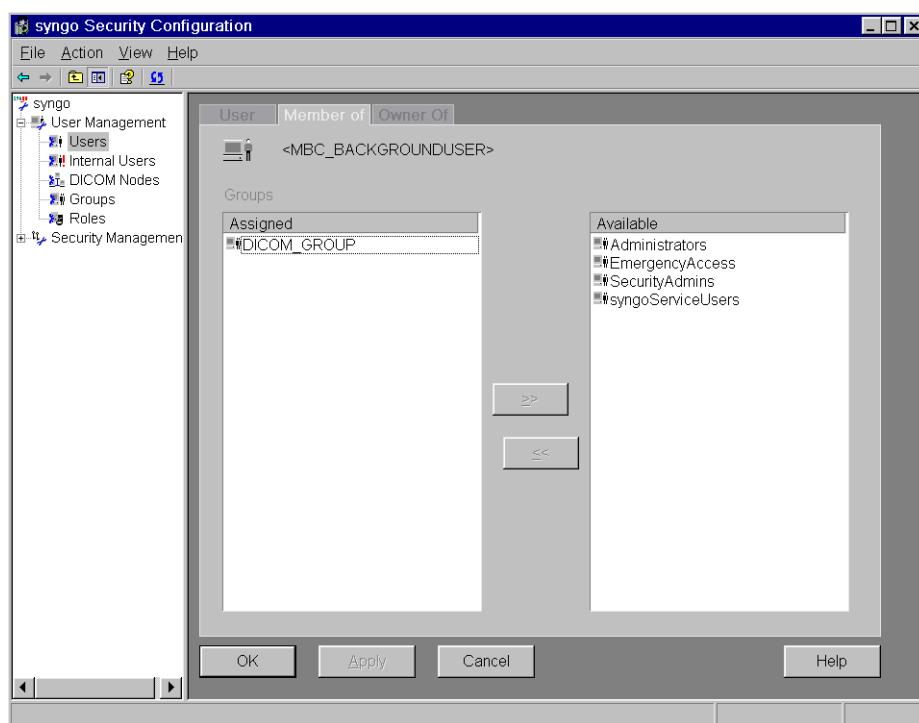


Fig. 2 Syngo Security Configuration window

6. Click on the **Owner Of** tab. Under **Assigned** you will also see **DICOM_GROUP**.

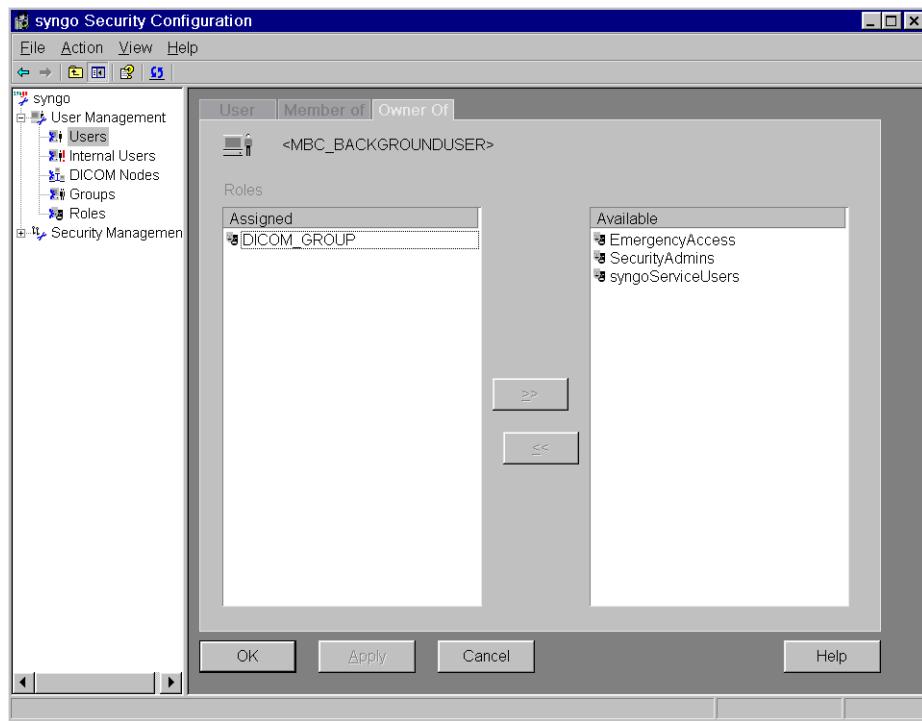


Fig. 3 Syngo Security Configuration window

7. Exit syngo Security configuration.

Non-existent User

If the MBC_BACKGROUNDUSER does not exist (see step 4, page A-1), perform the following steps:

1. Restart the system and log in as an OS administrator.
2. Insert **Upgrade/Update DVD SW-Version_V** into DVD drive D:\.
3. Open Explorer and change to folder D:\Routing.
4. Run batch D:\Routing\CreateBackgroundUser.bat. The DOS window opens and closes automatically.
5. Run batch D:\Routing\SetBackgroundUserGroup.bat. The DOS window opens and closes automatically.
6. Restart the system and log in as a syngo administrator.
7. Check MBC_BACKGROUNDUSER according to the description on page A-1.

DICOM Group not present

If the DICOM_GROUP is not assigned to MBC_BACKGROUNDUSER (see step 5, page A-1 and / or step 6 on this page):

1. Display the user MBC_BACKGROUNDUSER.

2. Click on the **Member of** tab. On the right-hand side select **DICOM_GROUP** and click on the << button. (If there is no DICOM_GROUP then first delete user MBC_BACKGROUNDUSER and perform the steps in section Non-existent User.)
3. Accept the dialog that is displayed by clicking **Yes**.

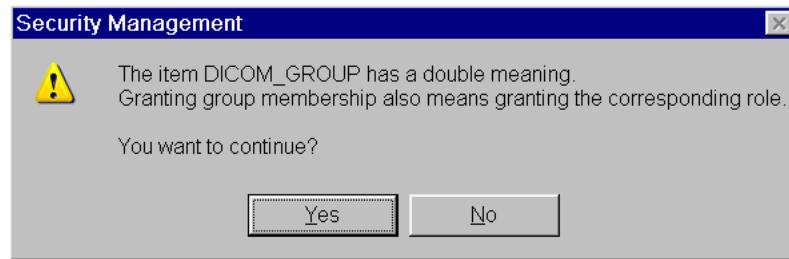


Fig. 4 Security Management

4. The result will be as shown below.

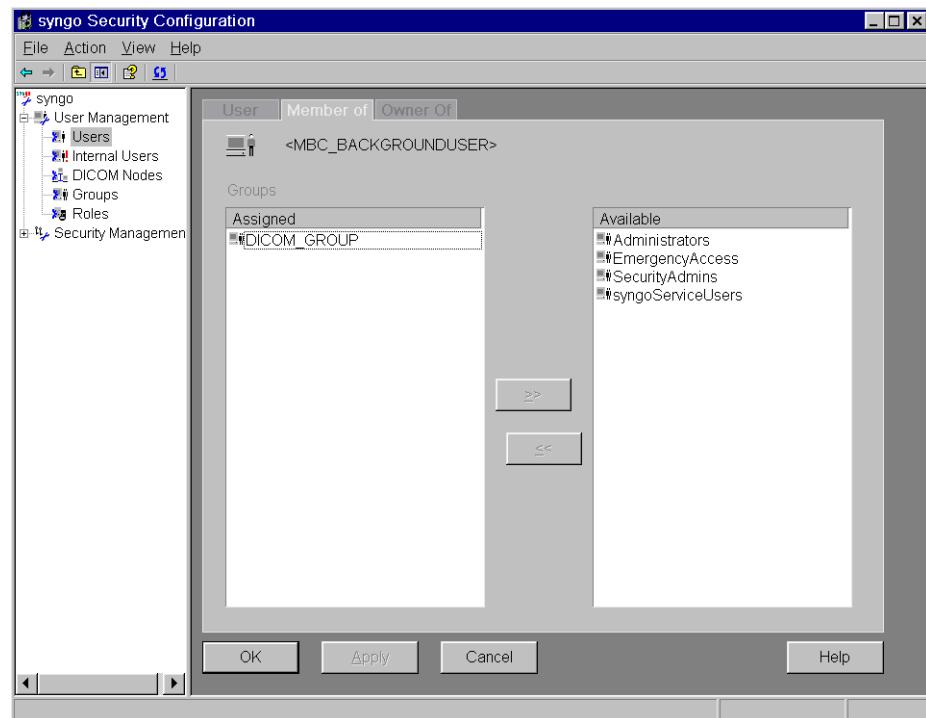


Fig. 5 Syngo Security Configuration window

5. Click on the **Owner Of** tab. On the right-hand side select **DICOM_GROUP** and click on the << button.
6. Accept the dialog that is displayed by clicking **Yes**.
7. Exit syngo Security configuration.

Restarting the System

1. Select **Options** → **End Session**.
2. Select **Restart system**.

3. Send or retrieve another patient and check the availability of images on the High Resolution Viewer.

Part B: Re-Run Update Batch

1. In C:\syngo\log\MBCLog\update_protocol.log and in Windows Explorer verify that the copy of the old MBCSCR is completed and renamed to MBCSCR_backup.
2. Delete the current folder C:\MBCSCR.
3. Rename folder MBCSCR_backup to MBCSCR.
4. Rerun batch: go to Step 3.

Part C: Restoring Configuration Files

NOTE

Only configuration files that were backed up using CollectInis.bat can be restored.

It is only possible to restore configuration files within the same software version.

1. **Restart** computer via syngo **End Session** dialog.
2. Press shift key while booting and **log in as OS administrator**.
3. Check that directory **C:\MBCSCR\IniBackup\<current software version>** is **not** available. Otherwise make a copy to hard disk or CD as described in the Backup chapter.
4. Insert Backup CD **SCR Configuration Files** into DVD drive D:\ and copy folder **<current software version>** to **C:\MBCSCR\IniBackup**.
5. Double click to run batch **C:\ MBCSCR\SQLScripts\DistributeInis.bat**.
6. The ini and configuration files will be restored.

NOTE

The corresponding existing files will be overwritten.

7. **Remove CD** from drive and **restart** computer.
8. **Check system** according to section Run *syngo MammoReport* and Check.

Part D: Copy Service Images

1. If necessary, log in as OS administrator and insert **Upgrade/Update DVD SW-Version_V** into drive D:\.
2. Start D:\ServiceImages\copyserviceimages.bat
3. Follow the instructions given in the DOS window.
4. Check in C:\temp\CopyServiceImages.log that 61 Service Images were copied successfully.
5. Run C:\MBSSCR\SQLScripts\CleanDiskC.bat.
6. Check in C:\temp\CleanDiskC.log that Service Images are available.

Part E: Restore Recovery CD

Preparing the System for Restore from Recovery CD

1. Starting Ghost:
 - Insert the Ghost 2003 floppy into the floppy drive or
 - Insert the Installation DVD VB11C into the DVD drive D:\
2. Press the Windows key and select **Shutdown** to shutdown the computer.
3. Turn on the computer and enter BIOS with **F2**. Make sure that you enter the correct BIOS password.
4. Enable booting (depends on step 15):
 - from floppy or
 - from DVD
5. Leave the BIOS setup by pressing **F10** (save and exit).

Running Ghost

1. Insert **CD 1** of <total number of CDs in set> into the CD Writer and boot the computer directly from CD.
2. A **boot menu** appears on the screen.
The menu consists of two steps:
Microsoft Windows 98 Start menu
1. ... System drive
2. Use Ghost interactive
3. Choose **2: Use Ghost interactive**
4. Click on **Continue without marking drives** when prompted.
5. In **About** select **OK**.
6. Select Local menu → Disk → **From image**.
7. In **Image file name to restore from** select **Look in:** drive R [...] CD ROM drive.
8. Select file ***1.GHO**.
9. In **Select local destination...** choose **Drive 1** and confirm with **OK**.
10. In **Destination drive details** click **OK**.
11. Confirm question **Proceed with disk restore...** with **Yes**. Installation of image begins. **Progress indicator is running**.
12. Insert new CD when required until message appears: **Clone complete...** → click **Reset Computer**.
13. During restart
 - **remove CD** from CD Writer
 - > and either Installation DVD from DVD drive -> or Floppy from floppy drive and press **shift key** while booting to log in as OS user administrator.

14. Accept the message “System Settings Changed”, and click Yes to reboot the computer. Press shift key to log in as OS user administrator.
15. Check that drive assignments are correct, and data disk(s) are available and empty:
 - DVD drive D:\
 - CD writer E:\
 - MED_DATA F:\
 - if applicable SCR_DATA G:\
 - You may need to import foreign disk F:\ and if applicable G:\
16. Run one of the following batches:
 - for disk type **Basic** (without optional disk), run batch C:\MBCSCR\SQLScripts\PostRecovery_basic.bat
 - for disk type **Option** (with optional disk G:\), run batch C:\MBCSCR\SQLScripts\PostRecovery_option.bat
17. Press any key when prompted.

NOTE

The PostRecovery batch also checks if all Service Images are available.

If one or more images are missing, all Service Images must be batch copied - follow the instructions in Part D: Copy Service Images.

18. The DOS window disappears when the batch is finished.
19. Shut down the computer.

Prepare the System after Restore from Recovery CD

1. Enter the correct BIOS password, and disable booting from floppy drive.
2. Exit BIOS with **F10** (save and exit).
3. The system restarts and the login window will be displayed.